DOCUMENT RESUME

ED 279 496 SE 047 761

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TITLE Comprehensive Instructional Management System (CIMS). A Cyclical Mathematics Curriculum. Workbook Part 1. Experimental. Level 3.
INSTITUTION New York City Board of Education, Brooklyn, N.Y. Div. of Curriculum and Instruction.
REPORT NO Curric-03-2003-22; ISBN-88315-528-1
PUB DATE 86
NOTE 118p.; For Part 2 workbook, see SE 047 762; for teacher manuals, see SE 047 763-764.
AVAILABLE FROM New York City Board of Education, Curriculum Editorial and Production Unit, Office of Curriculum Development and Support, Room 613, 131 Livingston St., Brooklyn, NY 11201.
PUB TYPE Guides - Classroom Use - Materials (For Learner) (051)

EDRS PRICE MF01/PC05 Plus Postage.
DESCRIPTORS Drills (Practice); *Educational Objectives; *Elementary School Mathematics; Grade 3; *Instructional Materials; *Mathematics Curriculum; *Mathematics Instruction; Primary Education; Teacher Developed Materials; Workbooks
IDENTIFIERS New York City Board of Education

ABSTRACT

The activities in this workbook are designed to provide pupils with practice in mastering the performance objectives of the Comprehensive Instructional Management System in mathematics for Level 3, Part 1, in New York City schools. It follows the sequence of the teacher's manual, with the objective number listed on each page. Over 80 performance objectives are listed, followed by worksheets for pupils. (MNS)

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CIMS

COMPREHENSIVE INSTRUCTIONAL MANAGEMENT SYSTEM

A Cyclical Mathematics Curriculum

Workbook Part I

NEW YORK CITY BOARD OF EDUCATION
OFFICE OF CURRICULUM DEVELOPMENT AND SUPPORT
DIVISION OF CURRICULUM & INSTRUCTION

ISBN No. 88315-528-1

Curric. No. 03-2003-22

SE 047 761

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ISBN No. 88315-528-1 Curric. No. 03-2003-22

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FOREWORD

The Comprehensive Instructional Management System (CIMS) is a unified mathematics curriculum for grades K-7. The curriculum is cyclical in design, and reflects the most recent New York City and New York State guidelines.

Utilizing the experience of our system's teachers, we have developed a teacher-designed curriculum that includes a rich selection of classroom-tested successful mathematics activities. The major goal of the CIMS mathematics project is to provide the classroom teacher with a well-structured, objective-based curriculum. All objectives are supported by a variety of strategies. Student mastery of these objectives is readily diagnosed through the system's testing component.

The curriculum format is structured to allow the teacher to determine the ability level of the students in the topic under study, and to permit the students to move forward at their individual rates. Each module of instruction provides the teacher with a set of related performance objectives. These objectives are supported by activities which probe and develop the students' readiness to undertake new skills and concepts. Further reinforcement is given to mastery of the objectives through accompanying student workbooks.

It is hoped that this curriculum will not only assist teachers in developing vital mathematics instruction, but will serve to expand and enrich students' mathematics skills.

Charlotte Frank,
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ACKNOWLEDGMENTS - 1986

The Comprehensive Instructional Management System (CIMS) was developed as a project of the Division of Curriculum and Instruction, Mrs. Charlotte Frank, Executive Director. Mr. Bernard Mecklowitz, Community School Superintendent CSD 1; Dr. Peter Negroni, Community School Superintendent CSD 12; Dr. Harvey Garner, Community School Superintendent CSD 18; Mr. Carlos Edwards, Community School Superintendent CSD 23, and Mr. Joseph Pacheco, Community School Superintendent CSD 32 supervised the overall development of the CIMS program within their respective districts.

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Overall supervision of curriculum in addressing those students with special needs was coordinated by Edward M. Sermier, Chief Administrator, Division of Special Education.

Gloria Cole, Director of Office of Program Development; Lorelle Lawson, Administrator, Curriculum Development Unit of the Office of Program Development and Roslyn Persky, Deputy Assistant Administrator to the Director of Office of Program Development, Special Education provided guidance and support in addressing these special needs.

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To The Teacher:

The activities in the CIMS student workbook are designed to provide the pupils with practice in mastering the curriculum's performance objectives and follows the sequence of the CIMS teacher's manual. Each workbook activity page lists the corresponding performance objective number in the upper left hand corner. The activity page numbers are identical to those found in the CIMS teacher's manual.

To The Student:

This mathematics workbook will help you to practice many of the new ideas your teachers have presented. Each worksheet has examples of the material you have studied in your daily mathematics lesson. As you proceed through this workbook, you will notice that you have learned many skills and will be ready to move on to more difficult ones.

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3.04.04.01, .03	Multiply five (5) by the numbers one (1) through nine (9) using vertical and horizontal formats; solve word problems related to skills learned in this module.....	34a
3.04.04.02, .04	Apply the commutative property of multiplication to the five times table; solve word problems related to skills learned in this module.....	34b
3.05.02.01, .04	Divide by two for dividends through 18 without a remainder; solve word problems related to skills learned in this module.....	35a
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3.09.01.01	Recognize and name a point.....	36a
3.09.01.02	Identify and name a line.....	36b
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P.O. 3.10.01.01 & .03

NAME: _____ CLASS: _____ DATE: _____

Use the calendar to answer the questions.

1986			SEPTEMBER			1986
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	Labor Day 1	2	3	4	5	6
7	School Opens 8	9	10	11	12	13
14	15	16	17	18 Assembly	19	20
21	22	23	24	25	26	27
28	29	30				

1. The dates 9/3/86, 9/10/86, 9/17/86, and 9/24/86 are all on the same day of the week. On which day of the week is each date?

_____

2. Write the date September 8, 1986 using numerals only. _____

3. Our first assembly will be on 9/18/86. The next assembly will be one week later. On what date will the next assembly take place? Write the answer using two forms.

_____ _____

4. If today is September 13, 1986, what is tomorrow's date?

_____

5. If today is September 23, 1986, what was yesterday's date?

_____

P.O. 3.10.01.02-.03

NAME: _____ CLASS: _____ DATE: _____

Follow the directions below.

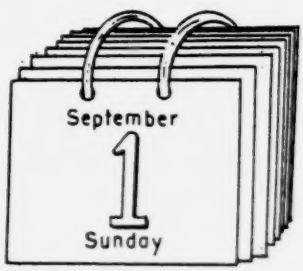
1986			SEPTEMBER			1986
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

Henry marks an X on the calendar at the end of each day. For how many weeks has Henry been doing this?

_____

Ernie saved a penny each day during the year. Today is the last day of the year. How many pennies did he save this year?

_____



Look at a wall calendar. If today is September 1, 1986, how many months have passed this year?

_____

If true, make a happy face. ☺
If not true, make a sad face. ☹

☺ 7 days = 1 week

☺ 12 months = 1 year

☺ 365 days = 1 year

☺ 366 days = 1 leap year

☺ 12 weeks = 1 month

☺ 52 weeks = 1 year

P.O. 3.10.01.03

NAME: _____ CLASS: _____ DATE: _____

Use the calendar to help you answer the questions.

1986		NOVEMBER				1986
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3	ELECTION DAY 4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26		28	29
30						

1. Kevin marks an X at the end of each day on the calendar.
   On which day of the week is the last X? _____
   What is the date? _____

2. If today is 11/6/86, in how many weeks will it be Thanksgiving? _____

3. On what day of the week is Election Day? _____

4. The doctor gave Mr. Brutus his check-up on November 11.
   He must return 2 weeks later.
   On what date must he return? _____

5. Sarah's birthday is November 20.
   Jane's birthday is two weeks before Sarah's.
   What is the date of Jane's birthday? _____

P.O. 3.14.01.01

NAME: _____ CLASS: _____ DATE: _____

Refer to Strategy 1.

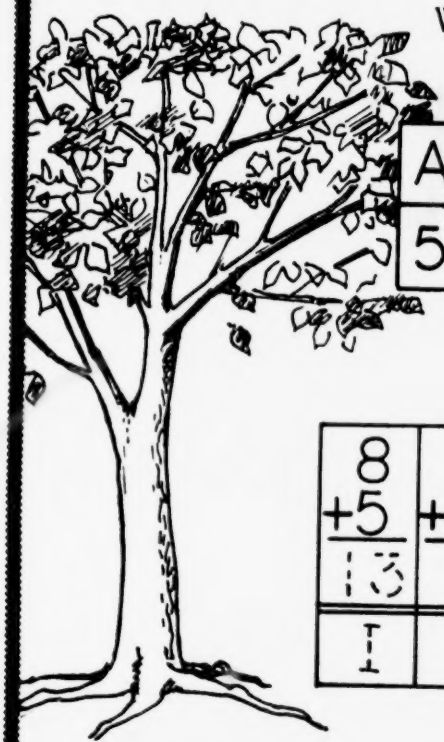
Cut out the addition table and the reverse L along the dotted lines.

+	0	1	2	3	4	5	6	7	8	9
0										
1						6				
2										
3										
4		5								
5				8						
6										
7										
8					12					
9										

P.O. 3.14.01.01

NAME: _____ CLASS: _____ DATE: _____

Use the code to solve the riddle.



When does part of a tree drop to the ground?

A	E	F	H	I	L	M	N	S	T	U	V	W
5	14	6	11	13	16	10	15	8	7	12	17	9

8	7
+5	+8
13	
T	

5	6	8
+2	+5	+6

3	8	6	9	6	9
+2	+4	+1	+3	+4	+6

5	4	7	8
+4	+7	+7	+7

7	5	4	8	6	5
+9	+9	+1	+9	+8	+3

6	0	8	9
+0	+5	+8	+7

P.O. 3.14.01.02

NAME:_____ CLASS:_____ DATE:_____

Use the rule in each box to fill in the missing answers.

subtract 5	
12	7
10	5
7	2

subtract 8	
15	
16	
12	

subtract 7	
12	
14	
11	

subtract 9	
18	
14	
11	

subtract 6	
15	
12	
9	

12	
14	
10	

CHALLENGE!

Odd or even?

An odd number minus an odd number is an _____ number.

An even number minus an even number is an _____ number.

An odd number minus an even number is an _____ number.

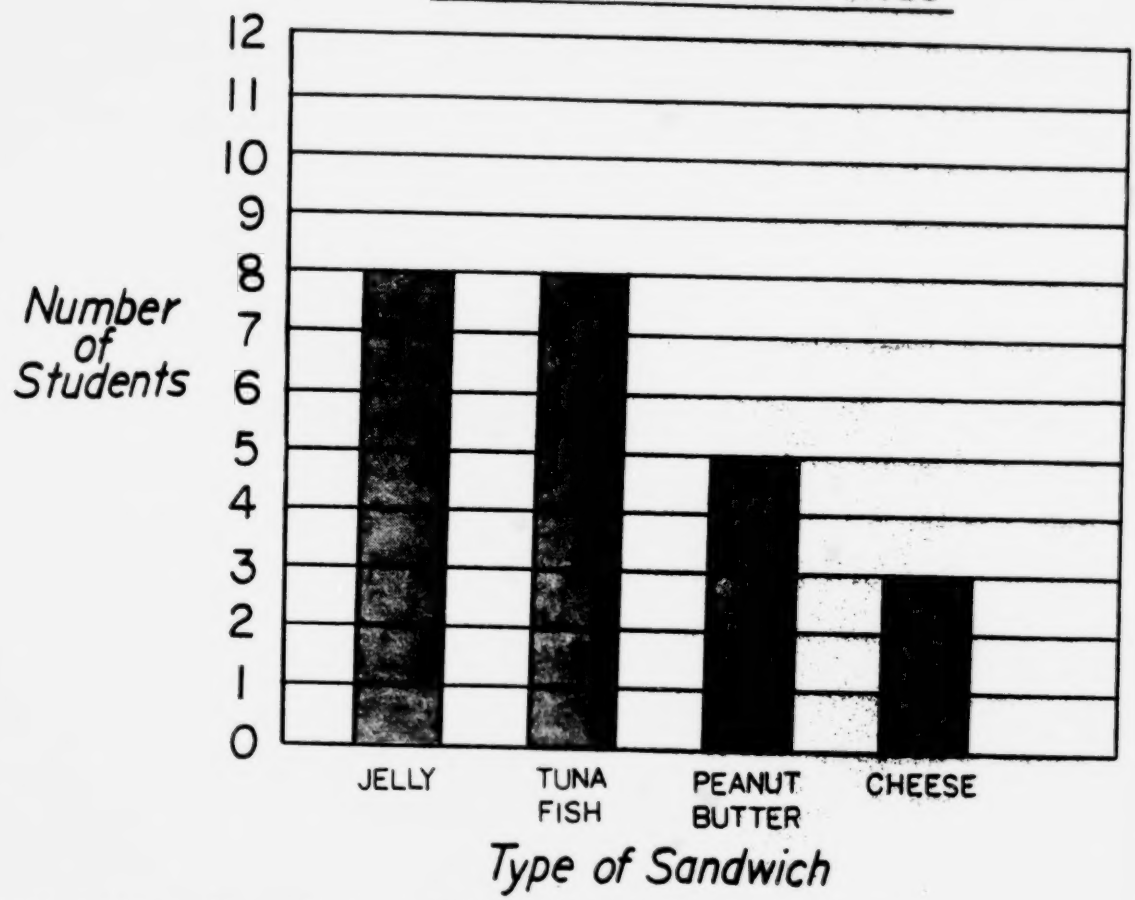
An even number minus an odd number is an _____ number.

a

P.O. 3.12.01.01

NAME: _____ CLASS: _____ DATE: _____

Use the graph to answer the questions.



1. How many students chose tuna fish as their favorite sandwich? _____
2. Which sandwich did five students like best? _____
3. Which was the least favorite sandwich? _____
4. Which sandwiches were the favorites of an equal number of students? _____

_____

5. How many more students liked tuna fish than peanut butter? _____
6. How many students in all like jelly, tuna fish and cheese sandwiches? _____

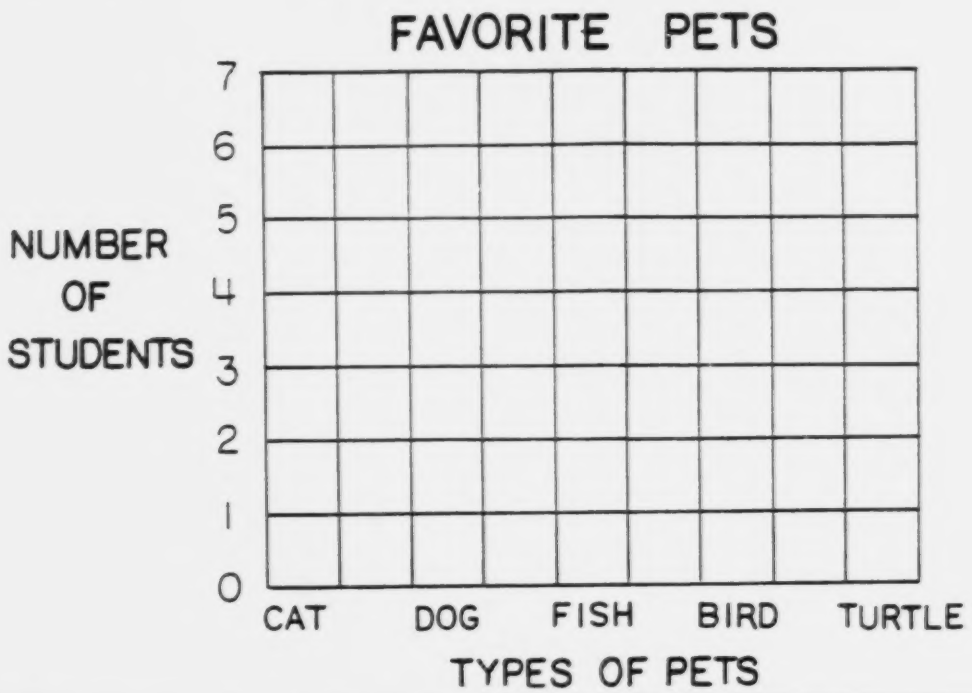
e

P.O. 3.12.01.02

NAME: _____ CLASS: _____ DATE: _____

Use the information in the tally to construct a bar graph.

FAVORITE PETS	TALLY OF THE NUMBER OF STUDENTS	NUMBER
CAT	𝍸 I	6
DOG	𝍸 II	
FISH	IIII	
BIRD	𝍸 I	
TURTLE	III	



Do you remember?

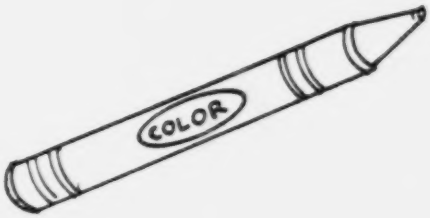
1 pint = _____ cup(s)	1 quart = _____ cup(s)
1 quart = _____ pint(s)	2 cups = _____ pint(s)
2 pints = _____ quart(s)	4 cups = _____ quart(s)

P.O. 3.12.01.02

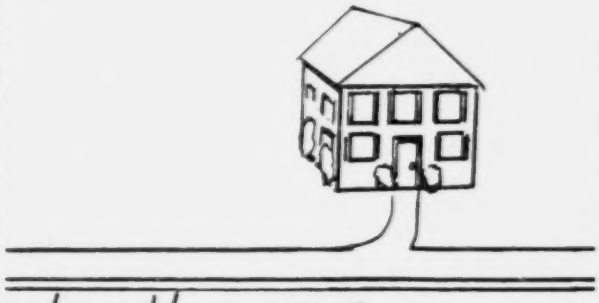
NAME: _____ CLASS: _____ DATE: _____

Use these pictures with strategy 1 to gather data for graphs.

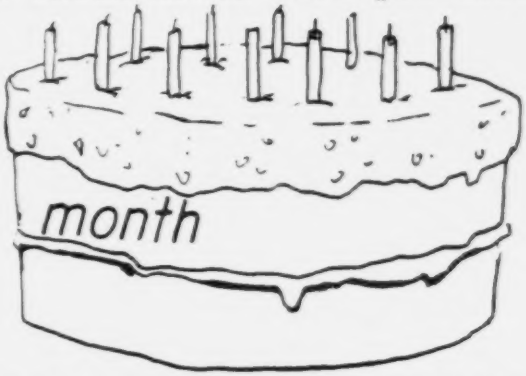
What is your favorite color?



Where do you live?



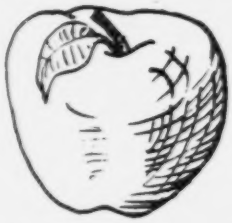
In which month were you born?

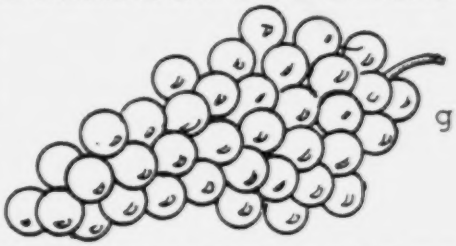


What is your favorite ice cream flavor?

Which is your favorite fruit?

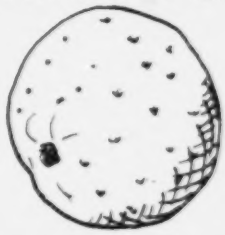
apple





grapes

banana



orange

11

SHARPENING YOUR SKILLS

Units 1, 2, 3

Name: _____ **Class:** _____ **Date:** _____

Use the calendar below to answer questions 1 through 5.

1986 OCTOBER 1986						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

1. On which day of the week did the month begin?_____

2. On which day of the week will the month end?_____

3. What will the date be one week <u>after</u> October 9th?

(a) Oct. 2nd (c) Oct. 10th

(b) Oct. 8th (d) Oct. 16th

4. How much time is <u>between</u> October 4th and October 11th?

(a) one year (c) one week

(b) one month (d) 31 days

5. On which day of the week will November 1st be?

(a) Friday (c) Monday

(b) Saturday (d) Not given

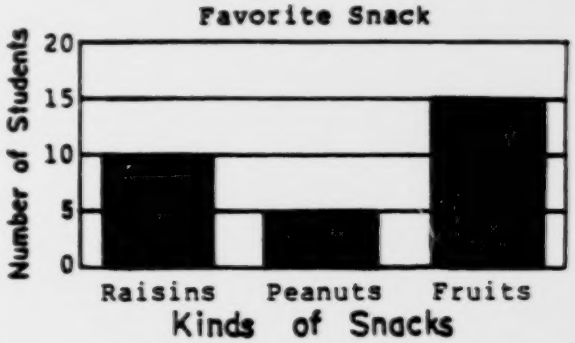
6. Complete the fact family.

8, 7, 15	
8+7= 15	15-7= 8
7+8= 15	

7. Complete the fact family.

8, 4, 12	
8+4= 12	

Use the graph to answer questions 8 through 10.



8. How many more students liked fruit than peanuts?_____

9. Which snack did 15 students vote for as their favorite?

_____

10. How many students in all voted for their favorite snack?

(a) 10 (c) 15

(b) 5 (d) 30

P.O. 3.10.02.02

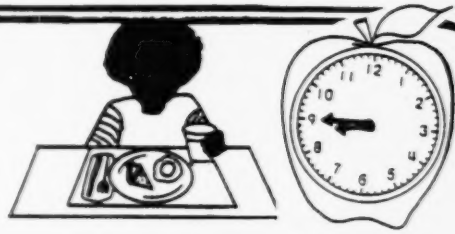
NAME: _____ CLASS: _____ DATE: _____

Complete each sentence with the time shown on the clock.

Joey gets up at

a quarter after 7

or 7:15.



Joey eats breakfast at

a quarter to 8

or 8:45.

Joey copies his homework at

_____

or _____.

Joey reads his book at

_____

or _____.

Joey begins his homework at

_____

or _____.

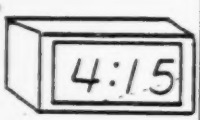
Joey eats lunch at

_____

or _____.

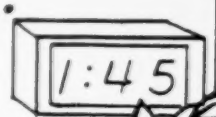
Joey has milk and cookies at

_____.



Joey writes a story at

_____.

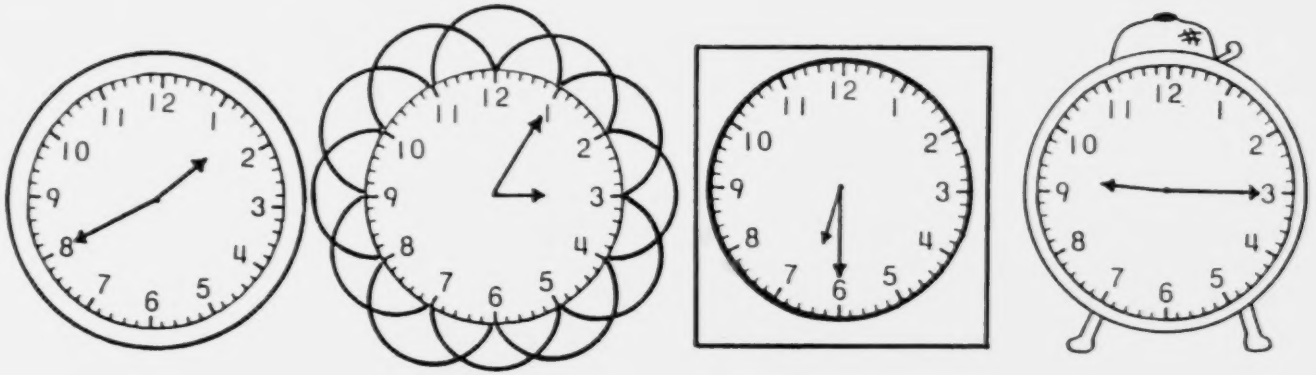


P.O. 3.10.02.03

NAME: _____ CLASS: _____ DATE: _____

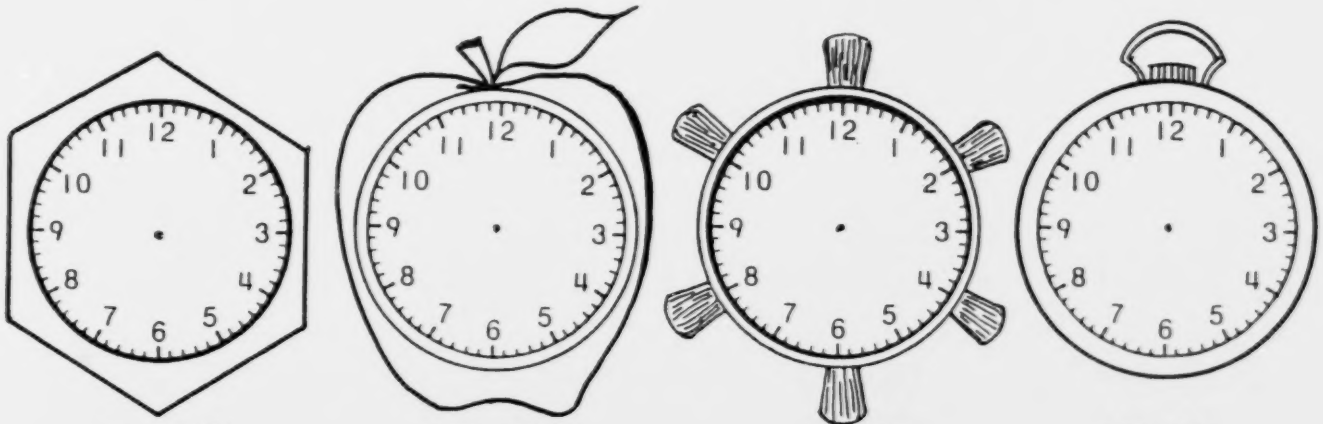
Follow the directions below.

Read each clock. Write its time on the line below it.



_____ _____ _____ _____

Place hands on each clock to show the correct time.



5:50 3:20 1:35 10:15

P.O. 3.10.02.04

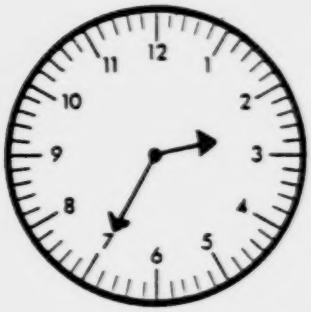
NAME:_____ _____CLASS:_____DATE:_____

Tell the time by filling in the blanks under each clock.

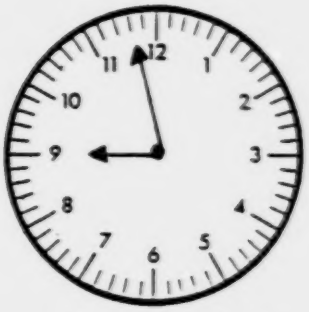
___ minutes to ___

___ minutes to ___

___ minutes to ___

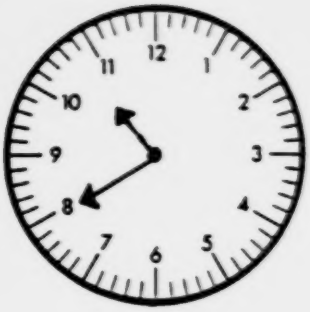


___ minutes before ___

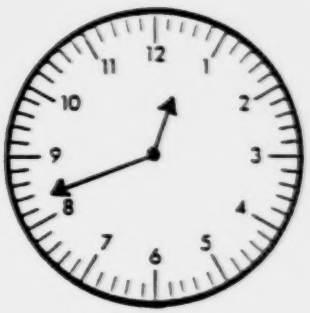


___ minutes before ___

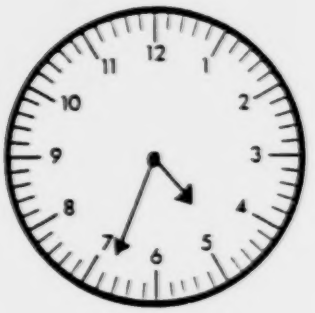
___ minutes before ___



___ minutes of ___



___ minutes of ___

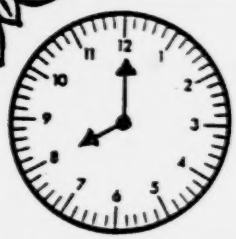


___ minutes of ___

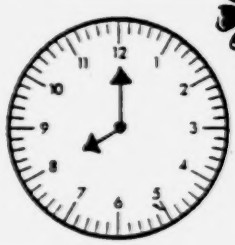
P.O. 3.10.02.05

NAME: _____ CLASS: _____ DATE: _____

Follow the directions below.



John watches the A-team at 8:00 P.M.



John walks to school at 8:00 A.M.

Write A.M. or P.M.

1. Sam eats breakfast at 7:30 A.M.
2. Joann went to the library at 11:15 _____.
3. Billy does his homework at 3:30 _____.
4. Joan goes to bed at 9:45 _____.
5. I go to school from 8:30 _____ to 3:00 _____.

Complete the sentences below by using the times listed in the box.

7:30 A.M.	8:00 P.M.	12:30 P.M.	6:00 P.M.	4:00 P.M.

1. Ann eats lunch in the afternoon at 12:30 P.M.
2. Connie brushes her teeth in the morning at _____.
3. Ronald went to the dentist in the afternoon at _____.
4. Jon eats dinner in the evening at _____.
5. Jon listens to the radio after dinner at _____.

Do you remember?

$\square + 7 = 15$

$8 + \square = 15$

$15 - \square = 7$

$\square - 8 = 7$

$11 - \square = 7$

$\square - 4 = 7$

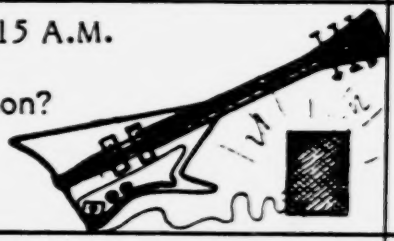
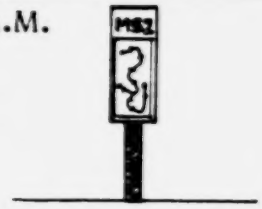
$4 + \square = 11$

$\square + 4 = 11$

P.O. 3.10.02.06

NAME: _____ CLASS: _____ DATE: _____

Use a clock to help you solve each problem.

	ANSWERS
1. Jane leaves school at 3:00 P.M. She plays volleyball 1 hour and 30 minutes later. What time will the volleyball game start?	4:30 P.M.
2. Joe ate lunch at 12:30 P.M. He went to the movies 35 minutes later. What time did he go to the movies?	
3. Mr. Smith began painting at 1:40 P.M. He finished at 4:40 p.m. How long did he work?	
4. David has a guitar lesson at 11:15 A.M. His lesson is 45 minutes. What time will he finish his lesson? 	
5. Ruth arrived at the bus stop at 8:20 A.M. The bus arrived 15 minutes later. What time did the bus arrive? 	

Do you remember?

check	check	check
324 +32	564 +35	730 +68

P.O. 3.14.02.01

NAME: _____ CLASS: _____ DATE: _____

Look at the underlined digit in each number.
Circle the word and numeral which tells its value.

5<u>8</u>1	Hundreds (Tens) Ones	800 (80) 8
<u>3</u>35	Hundreds Tens Ones	300 30 3
7<u>0</u>4	Hundreds Tens Ones	700 70 0
6<u>5</u>3	Hundreds Tens Ones	500 50 5
<u>7</u>12	Hundreds Tens Ones	700 70 7
80<u>9</u>	Hundreds Tens Ones	900 90 9
92<u>4</u>	Hundreds Tens Ones	400 40 4
7<u>2</u>3	Hundreds Tens Ones	200 20 2
<u>2</u>22	Hundreds Tens Ones	200 20 2
<u>3</u>13	Hundreds Tens Ones	300 30 3

Do you remember?

2, 3, 6	
3x2=6	6÷2=3
2x3=6	6÷3=2

3, 4, 12	

5, 4, 20	

P.O. 3.14.02.02 - .03

NAME: _____ CLASS: _____ DATE: _____

Follow the directions below.

Write each number in expanded form.

245 = [2] hundreds + [4] tens + [5] ones

518 = [ ] hundreds + [ ] tens + [ ] ones

602 = [ ] hundreds + [ ] tens + [ ] ones

274 = 200 + 70 + 4

187 = ____ + ____ + ____

310 = ____ + ____ + ____

Write each number in standard form.

400 + 60 + 3 = _____

700 + 20 + 8 = _____

500 + 6 = _____

2 hundreds + 1 ten + 4 ones = _____

4 hundreds + 2 tens + 6 ones = _____

7 hundreds + 8 tens + 7 ones = _____

Do you remember? Count by tens.

660, 670, 680, ____, ____, ____, 720

70, ____, ____, ____, ____, ____, 130

480, ____, ____, ____, ____, ____, 540

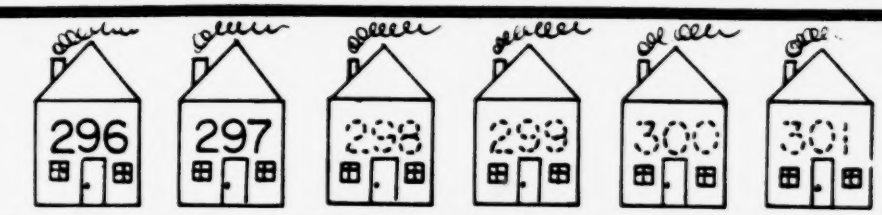
250, ____, ____, ____, ____, ____, 310

20

P.O. 3.01.01.01

NAME: _____ CLASS: _____ DATE: _____

Complete each number sequence. If the numbers are getting larger, write forward. If the numbers are getting smaller, write backward.



forward

_____

_____

_____

_____

Do you remember?

Today is 11/16/86.

The month is _____.

The year is _____.

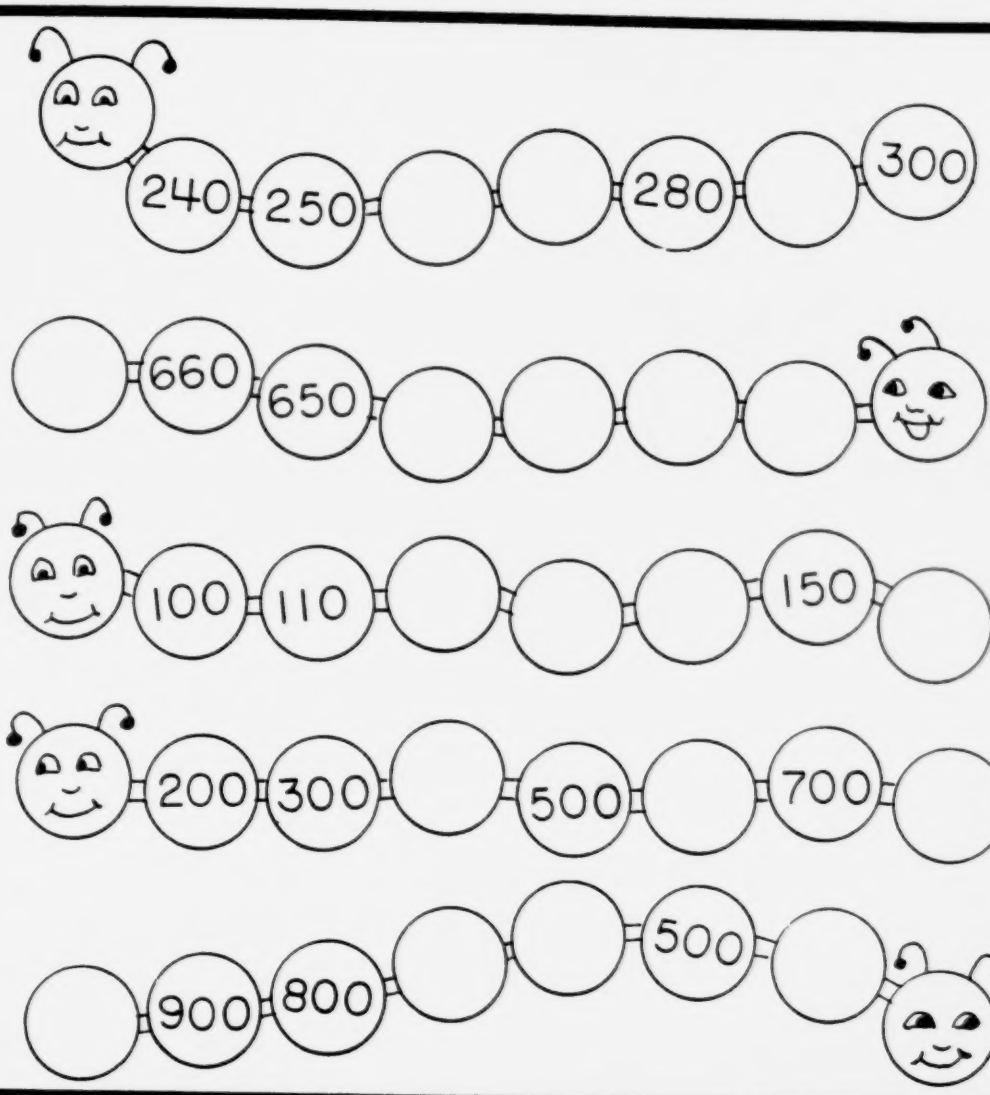
Tomorrow's date is _____.

Yesterday's date was _____.

P.O. 3.01.01.02-.03

NAME: _____ CLASS: _____ DATE: _____

Complete each caterpillar by writing the missing numbers as you count forward or backward.



CHALLENGE!

68, ____, 88, ____, 108, ____

____, 174, 164, ____, 144, ____

SHARPENING YOUR SKILLS

Units 4, 5, 6

Name: _____ **Class:** _____ **Date:** _____

Which digital clock shows the same time as the standard clock?

1.

(a) 1:11 (c) 1:55

(b) 11:02 (d) 2:55

2.

(e) 8:10 (g) 2:10

(f) 2:08 (h) 8:02

3. Willie went to sleep at 10:00 P.M. He woke up three hours later. At what time did he wake up? _____

4. 3 hundreds + 7 ones = ☐

(a) 3007 (c) 7300

(b) 307 (d) 7003

5. 700 + 30 + 8 = ☐

(e) 837 (g) 738

(f) 700308 (h) 7308

	H	T	O	
6.		2	4	= ☐
7.	6	4	5	= ☐

Find the patterns. Fill in the missing numbers.

8. 697, 698, 699, ____, 701, ____, ____, 704

9. 102, 101, ____, ____, 98, 97, ____, ____

10. 300, 400, ____, 600, ____, 800, ____, ____

11. 780, 770, ____, 750, 740, ____, ____

12. 70, 80, ____, 100, ____, ____, 130, ____

P.O. 3.01.02.01

NAME: _____ CLASS: _____ DATE: _____

Estimate the number of bubbles. Then count the bubbles for the actual count.

ESTIMATE

ACTUAL COUNT

P.O. 3.01.02.02.-.03

NAME: _____ CLASS: _____ DATE: _____

Follow the directions below.

Shade in the ⇧ if you are rounding up and the ⇩ if you are rounding down. Then round the number to the nearest hundred.

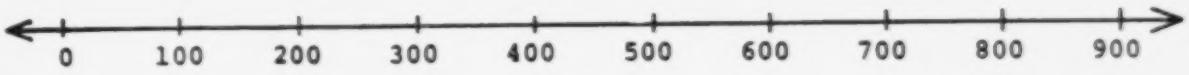
A. ⇧⇩ 136 rounds to the nearest hundred as _____.

B. ⇧⇩ 616 rounds to the nearest hundred as _____.

C. ⇧⇩ 872 rounds to the nearest hundred as _____.

D. ⇧⇩ 243 rounds to the nearest hundred as _____.

Books must be ordered in groups of one hundred. On the number line circle the number of books you must order if there are 682 students in your school.



Will this be enough for all students? _____

Will any books be left over? _____ How many? _____

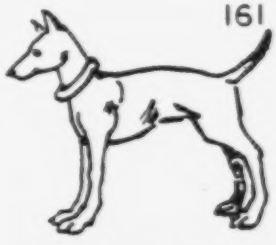
Round each animal's weight to the nearest hundred pounds.

400 lbs.

_____ lbs.

_____ lbs.

_____ lbs.



_____ lbs.

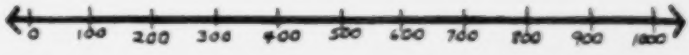
_____ lbs.

P.O. 3.01.02.02-.04

NAME: _____ CLASS: _____ DATE: _____

Follow the directions below.

The school bus stops on Grove Street at all the house numbers on the number line. Below are some students and their house numbers. Write the stop that is closest to each student's house.



623 _____

472 _____

850 _____

255 _____

306 _____

924 _____

688 _____

356 _____

137 _____

Do you remember?

WRITE > OR < .

246	◯	729	589	◯	598	64	◯	106
685	◯	274	706	◯	760	580	◯	508
756	◯	567	124	◯	321	516	◯	472

P.O. 3.01.02.05

NAME: _____ CLASS: _____ DATE: _____

Complete the work below.

How do you round a 3-digit number to the nearest ten? Look at the _____ place.

If the digit in the _____ place is 0, 2, 3, or 4 you round to the next lower ten.

723 rounded to the nearest ten is 720.

841 rounded to the nearest ten is _____.

364 rounded to the nearest ten is _____.

852 rounded to the nearest ten is _____.

170 rounded to the nearest ten is _____.

If the digit in the _____ place is 5, 6, 7, 8, or 9 you round to the next higher ten.

536 rounded to the nearest ten is 520.

248 rounded to the nearest ten is _____.

165 rounded to the nearest ten is _____.

307 rounded to the nearest ten is _____.

319 rounded to the nearest ten is _____.

You will round each number below to the nearest ten. Write an arrow pointing up (↑) if the number rounds to the next higher ten. Write an arrow pointing down (↓) if the number rounds to the next lower ten.

347	↑	350	513	_	_____	289	_	_____
652	_	_____	426	_	_____	133	_	_____

P.O. 3.01.03.01-.02

NAME: _____ CLASS: _____ DATE: _____

Cut out the words and numbers along the dotted lines. Match each number to its expanded notation.

7528	2000+900+90+5	6205
4 thousand + 3 ones	4002	1100
6,000+200+5	7000+500+20+8	2469
2000+400+60+9	1 thousand + 1 hundred	6000+300+10+1
7050	4003	4000 + 2
2995	6311	7 thousand + 5 tens

CHALLENGE!

What is an odd 3-digit number with the sum of its digits equal to 4? _____

What is an odd 4-digit number with the sum of its digits equal to 4? _____

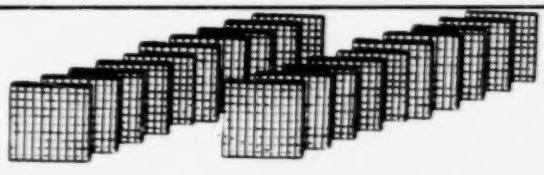
P.O. 3.01.03.03-.04

NAME:_____ CLASS:_____ DATE:_____

Follow the directions below.

Regroup the hundreds as thousands.

10 hundreds = 1 thousand = 1000

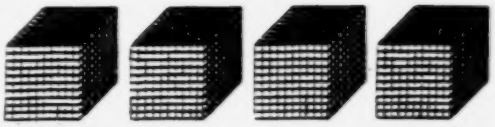


_____ hundreds = _____ thousands = _____

30	hundreds	=	_____	thousands	=	_____
50	hundreds	=	_____	thousands	=	_____
70	hundreds	=	_____	thousands	=	_____
90	hundreds	=	_____	thousands	=	_____
60	hundreds	=	_____	thousands	=	_____

Regroup the thousands as hundreds.

____ thousands = ____ hundreds



____ thousands = ____ hundreds

5	thousands	=	_____	hundreds
2	thousands	=	_____	hundreds
8	thousands	=	_____	hundreds
6	thousands	=	_____	hundreds
1	thousand	=	_____	hundreds

P.O. 3.01.03.05

NAME: _____ CLASS: _____ DATE: _____

Follow the directions below.

Commas help us read large numbers.

Write commas where they belong.

4963	68	6457
325	275	8312
9000	4392	900
38	150	9000
2163	6500	42
7452	7553	5213
8321	1002	3636

Do you remember?

1. How many days are in this year? _____
2. What month has an extra day every four years? _____
3. How many weeks are in one year? _____
4. What is the tenth month of the year? _____
5. Write today's date using only numerals. _____

SHARPENING YOUR SKILLS

Units 7, 8

Name: _____ Class: _____ Date: _____

Round each 3-digit number to the nearest hundred.

1. 276 rounded to the nearest hundred is _____.
2. 450 rounded to the nearest hundred is _____.
2. 148 rounded to the nearest hundred is _____.
4. 549 rounded to the nearest hundred is _____.

Round each number to the nearest ten.

5. 451 to the nearest ten is _____.

(a) 450
(b) 500
(c) 400
(d) 460

6. 295 to the nearest ten is ____.

(a) 285
(b) 290
(c) 250
(d) 300

Regroup each number as thousands. Write the comma in its proper place.

8. 40 hundreds = _____
9. 10 hundreds = _____
10. 90 hundreds = _____
11. 70 hundreds = _____

Regroup as hundreds.

12. 4 thousands = ___ hundreds
13. 6 thousands = ___ hundreds

Write each number in standard form.

14. 2 thousand + 4 tens + 5 ones = _____
15. 7 thousand + 1 hundred + 6 tens = _____
16. 1 thousand + 3 hundreds + 1 ten + 8 ones = _____
17. 9 thousand + 3 hundreds + 7 ones = _____

P.O. 3.01.04.01

NAME:_____ CLASS:_____ DATE:_____

Follow the directions in each part.

Rewrite the numbers in increasing order.

A. 301, 476, 211 211, 301, 476

B. 725, 516, 945 ____, ____, ____

C. 799, 802, 796 ____, ____, ____

Rewrite the numbers in decreasing order.

A. 269, 525, 102 525, 269, 102

B. 965, 988, 452 ____, ____, ____

C. 630, 220, 650 ____, ____, ____

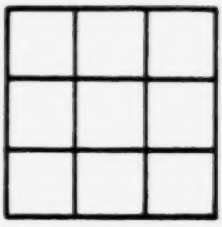
Write increasing or decreasing for each group of numbers.

A. 306, 513, 603 increasing

B. 671, 617, 611 _____

C. 403, 314, 304 _____

CHALLENGE!



How many squares are there?

There are _____ squares.

P.O. 3.01.04.02

NAME: _____ CLASS: _____ DATE: _____

Arrange the house numbers in increasing order, by mailing address.
Arrange the house numbers in the return addresses in decreasing order.

R. Watkins
7041 Truman Dr.
Brooklyn, N.Y. 11235

Mr. Jack Best
6554 Gray Blvd.
New York, N.Y. 10029

M. Johns
4027 Truman Dr.
Brooklyn, N.Y. 11235

Ms. Joan Hand
5886 Gray Blvd.
New York, N.Y. 10029

J. Smith
6056 Truman Dr.
Brooklyn, N.Y. 11235

Mr. Bill Jones
7429 Gray Blvd.
New York, N.Y. 10029

B. Brown
4196 Truman Dr.
Brooklyn, N.Y. 11235

Ms. Carol Jackson
7436 Gray Blvd.
New York, N.Y. 10029

Write the house numbers of mailing addresses in increasing order.

_____ _____ _____ _____

Write the house numbers of return addresses in decreasing order.

_____ _____ _____ _____

Do you remember? What time is shown on each clock?

_____

_____

_____

P.O. 3.13.01.01

NAME:_____ CLASS:_____ DATE:_____

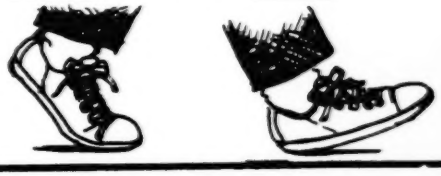
Read each question. Guess the answer. Check your answer.

How many hands will it take to go across your desk?

Guess____ Measure____

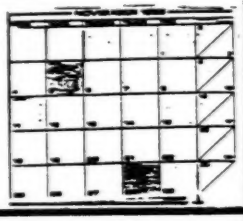
How many steps will it take you to walk from one side of the classroom to the other side?

Guess____ Measure____



How many days will it be until the next holiday?

Guess____ Measure____

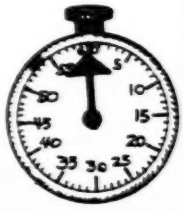


How many whole pieces of chalk will fit across the chalk ledge?

Guess____ Measure____

How many times can you count to ten in a minute? (Work with a partner.)
1 2 3 4 5 6 7 8 9 10

Guess____ Measure____



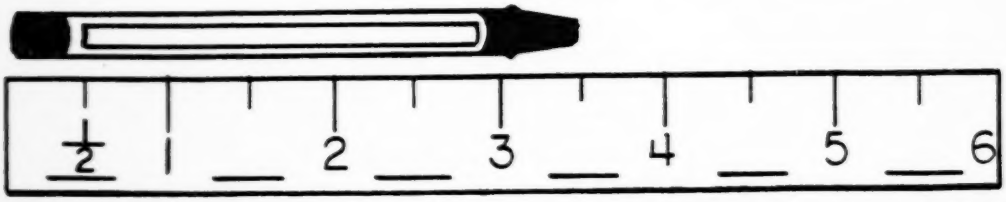
How many inches wide is your palm?

Guess____ Measure____

Do you remember?

Complete the markings on the ruler.

The crayon measures ____ inches.



P.O. 3.13.01.02

NAME:_____ CLASS:_____ DATE:_____

Guess and check to find the mystery number.
Write the mystery number in the box.

The mystery number comes after 20 but before 30.
(21, 22, 23, 24, 25, 26, 27, 28, 29)

The number is even.
(22, 24, 26, 28)

If you add its digits together the sum is ten.
(2+2=4, 2+4=6, 2+6=8, 2+8=10)

Can you find the mystery number? ☐

The mystery number is between 10 and 20.
( )

It is an odd number.
( )

When you subtract the first digit from the second digit the difference is four.
( )

Can you find the mystery number? ☐

The mystery number is larger than 40 but smaller than 50.
( )

It is an even number.
( )

When you subtract the first digit from the second digit the difference is 2.
( )

Can you find the mystery number? ☐

Do you remember?

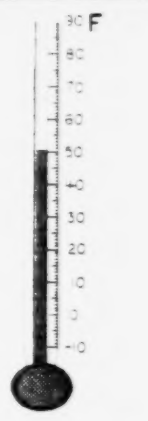
The Smith family took an automobile trip. They traveled 482 miles the first day and 364 miles the second day. How many more miles did they travel the first day? _____

P.O. 3.10.03.01-.02

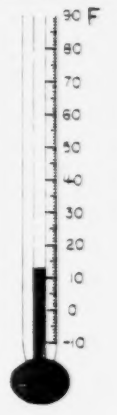
NAME: _____ CLASS: _____ DATE: _____

Follow the directions below.

Write the temperature shown on each Fahrenheit thermometer to the nearest ten degrees.



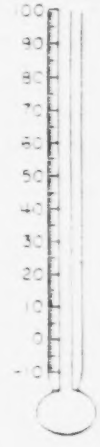
50° F



Use the chart to help you fill in the Celsius thermometer to the nearest 5 degrees.

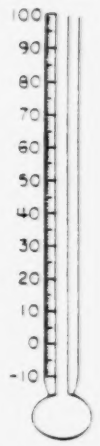
Water Boils	100°C
Hot Day	50°C
Body Temperature	38°C
Room Temperature	20°C
Cool Day	18°C
Water Freezes	0°C

Celsius



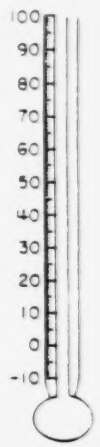
Room Temperature

Celsius



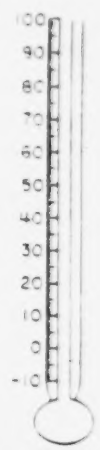
Body Temperature

Celsius



Water Freezes

Celsius



Water Boils

SHARPENING YOUR SKILLS

Units 9, 10, 11

Name: _____ **Class:** _____ **Date:** _____

1. Which set of numbers is arranged in order from the least to the greatest?

   (a) 294, 249, 429, 924

   (b) 732, 723, 327, 372

   (c) 158, 185, 518, 581

2. Write these numbers in order from the greatest to the least:

   588 , 608 , 598

   _____, _____, _____

3. Use the number cards below to complete the grid. Each column and row should equal a sum of 15.

4	3	8
9		
	7	

1 2 ~~3~~ ~~4~~ 5 6

4. Your teacher needs 87 pencils. Place an X on the two boxes of pencils you will give her.

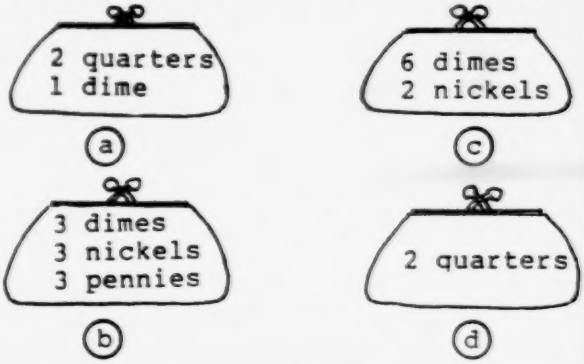
5.

Sandwiches		Drinks	
Cheese	$1.25	Milk	$.30
Turkey	$1.30	Juice	$.50
Chicken	$1.40	Shake	$.40

Mac spent $1.65 for a sandwich and a drink. What did he have for lunch?

Sandwich _____ Drink _____

6. Which purse has the most money?

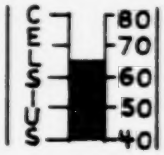


(a) (c) (b) (d)

7. Which thermometer shows about 45° Fahrenheit?

(a) (b) (c)

8. What is the temperature shown on the thermometer?



70°C 65°C 60°C

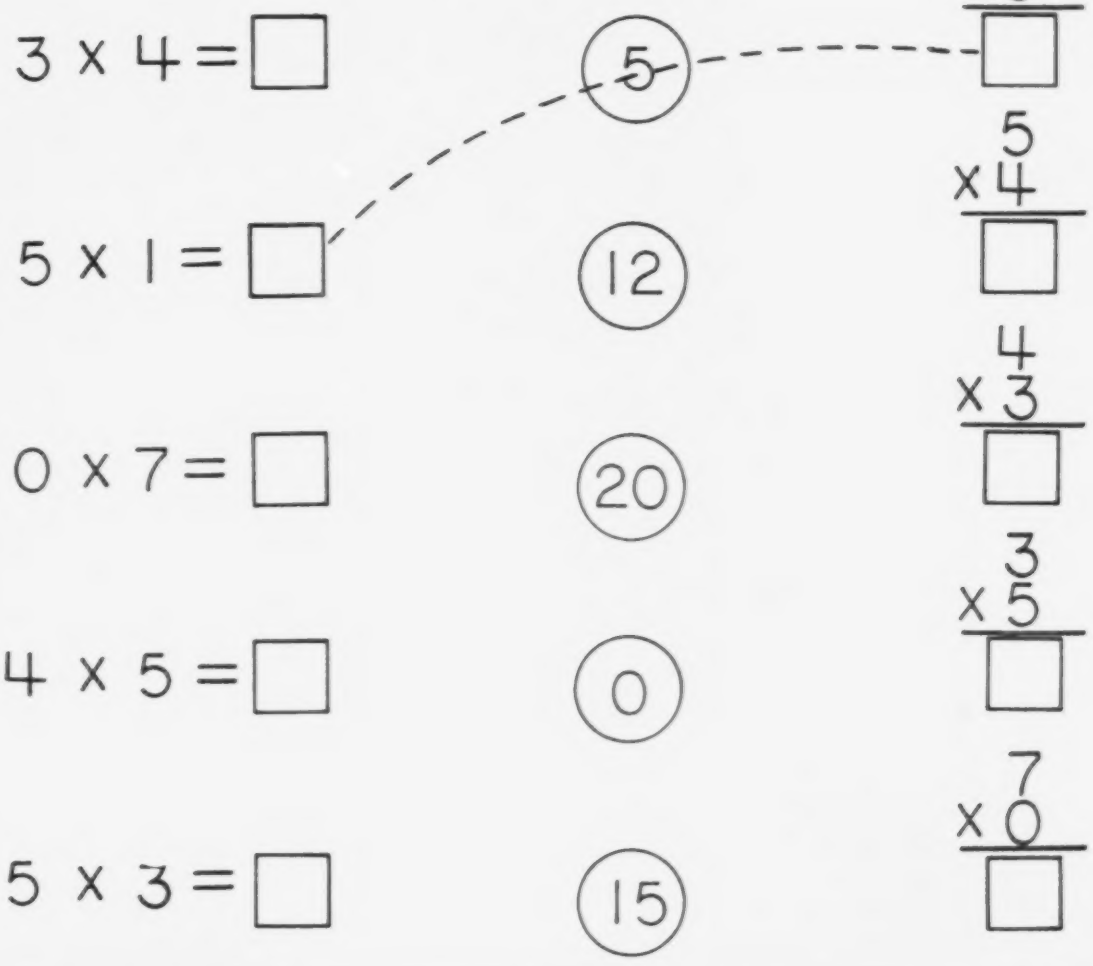
(a) (b) (c)

P.O. 3.04.01.01

NAME: _____ CLASS: _____ DATE: _____

Connect the horizontal and vertical examples to their products.

Production Line



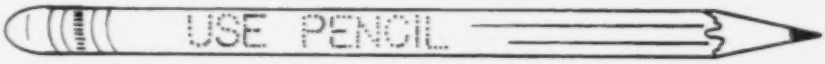
CHALLENGE!

I have 50¢. How much change will I have left if I buy 9 pencils costing 5¢ each? _____

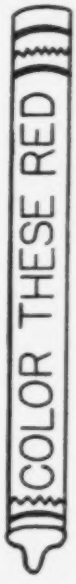
P.O. 3.04.01.02

NAME: _____ CLASS: _____ DATE: _____

Cut out the shaded part of the page. Use it to complete the multiplication table.



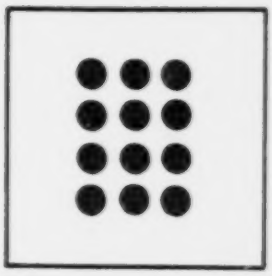
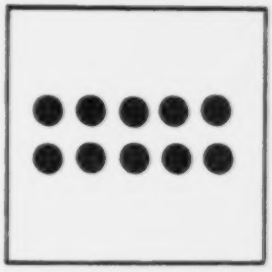
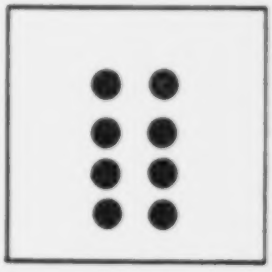
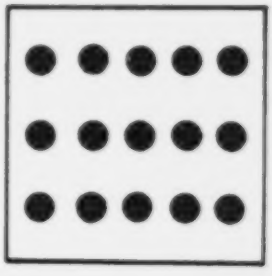
X	0	1	2	3	4	5
0						
1				3		
2			4			
3						
4		4				
5						



P.O. 3.04.01.03

NAME:_____ CLASS:_____ DATE:_____

For each example, use the array to fill in the missing information. Turn the page sideways and use the same array to complete the related fact. Then complete the related examples in the last column.

4 *threes* 4 x 3 = 12		3 *fours* 3 x 4 = 12	4 x 3 = ? 3 x 4 = ?
☐ *fives* 2 x 5 = ☐		☐ *twos* 5 x 2 = ☐	2 x 5 = ☐ 5 x 2 = ☐
☐ *twos* 4 x ☐ = ☐		☐ *fours* ☐ x ☐ = ☐	4 x ☐ = ☐ ☐ x ☐ = ☐
3 _____ ☐ x ☐ = ☐		☐ *threes* ☐ x ☐ = ☐	☐ x ☐ = ☐ ☐ x ☐ = ☐

P.O. 3.05.01.01

NAME:_____ CLASS:_____ DATE:_____

Solve the examples. Draw an X on the example in each row which is not related to that row.

$6 \div 2 = \square$	$\square \overline{)6}$ with divisor 2	$\square \overline{)8}$ with divisor 4
$\square \overline{)12}$ with divisor 4	$12 \div 4 = \square$	$\square \overline{)16}$ with divisor 4
$\square \overline{)25}$ with divisor 5	$20 \div 5 = \square$	$\square \overline{)20}$ with divisor 5
$8 \div 4 = \square$	$9 \div 3 = \square$	$3 \div 9 = \square$

Write and solve 2 division examples for each problem.

Bob has 8 peaches. He will share them with 4 friends. How many peaches will each friend get?	Sarah has 12 pennies. She will give an equal number to 3 friends. How many friends will get pennies?

Do you remember?

If it is 10:40, it is 20 minutes to 11.

If it is 2:55, it is _____ minutes to _____.

If it is 12:35, it is _____ minutes to _____.

If it is 1:58, it is _____ minutes to _____.

A.M. or P.M.?

Breakfast A.M. Bed Time_____ Homework_____

Wake Up_____ Dinner Time_____ Leave School_____

P.O. 3.05.01.02

NAME: _____ CLASS: _____ DATE: _____

Follow the directions below.

DIVISION

△ Dividend	○ Divisor	□ Quotient
6	3	2

$$3\overline{)6}\quad 2 \qquad \triangle 6 \div \bigcirc 3 = \square 2$$

Write the number for each term.

$15 \div 3 = 5$	$4\overline{)12}\quad 3$	$2\overline{)8}\quad 4$
5 is the quotient.	___ is the quotient.	___ is the divisor.
$20 \div 5 = 4$	$2\overline{)6}\quad 3$	$10 \div 5 = 2$
___ is the dividend.	___ is the divisor.	___ is the quotient.

Write the term that identifies the number.

$2\overline{)10}\quad 5$	$8 \div 4 = 2$
10 is the dividend.	2 is the _____.
$12 \div 3 = 4$	$5\overline{)15}\quad 3$
3 is the _____.	3 is the _____.

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NAME: _____ CLASS: _____ DATE: _____

Complete the division examples below.

$2\overline{)6}$

-2 1 two was subtracted

4

-2 1 two was subtracted

2

-2 1 two was subtracted

0

3 twos were subtracted.

$6 \div 2 = 3$

$3\overline{)6}$

-3 1 three was subtracted

3

-3 1 three was subtracted

0

____ threes were subtracted.

$6 \div 3 = \square$

$5\overline{)15}$

-5 1 five was subtracted

10

$-\square$ _____

5

$-\square$ _____

$\square$

____ fives were subtracted.

$\square \div \square = \square$

$2\overline{)8}$

-2 _____

$\square$

$-\square$ _____

$\square$

$-\square$ _____

$\square$

$-\square$ _____

$\square$

____ ____ were subtracted.

$\square \div \square = \square$

CHALLENGE!

Bob bought 3 red balloons, 4 yellow balloons, and 8 green balloons. He will share them equally with 2 friends. How many balloons will Bob and each of his friends have? _____

P.O. 3.05.01.04

NAME: _____ CLASS: _____ DATE: _____

Complete each example by filling in the missing numeral.

$8 \div 2 = \square$ 4	$\square$ 4 $\times 2 = 8$
$10 \div 2 = \square$	$\square \times 2 = 10$
$9 \div 3 = \square$	$3 \times \square = 9$
$15 \div 3 = \square$	$\square \times 3 = 15$
$12 \div 3 = \square$	$\square \times 3 = 12$
$12 \div 4 = \square$	$3 \times 4 = \square$
$25 \div 5 = \square$	$\square \times 5 = 25$
$14 \div 2 = \square$	$7 \times 2 = \square$

Do you remember?

Round these numbers to the nearest 100.

356 rounds to ____

629 rounds to ____

160 rounds to ____
309 rounds to ____
74 rounds to ____
478 rounds to ____

937 rounds to ____
571 rounds to ____
770 rounds to ____

SHARPENING YOUR SKILLS

Units 12, 13

Name: _____ **Class:** _____ **Date:** _____

1. Which number will make both examples true?

$$\begin{array}{r} 2 \\ \times\square \\ \hline \square \end{array} \qquad 5 \times 2 = \square$$

3 (a) 7 (b) 10 (c) 14 (d)

2. Write the product for each example.

$3 \times 2 = \square$ $4 \times 3 = \square$

$1 \times 5 = \square$ $2 \times 4 = \square$

3. Use the multiplication table to find the hidden products.

X	0	1	2	3	4	5
0	0	0	0	0	0	0
1	0	1	2	3	4	5
2	0	2	4	■	8	10
3	0	▲	6	9	12	☺
4	0	4	8	12	16	20
5	0	5	10	15	20	●

■ = □ ▲ = □

● = □ ☺ = □

4. If $4 \times 2 = 8$, then $\square \times 4 = 8$.

2 (a) 4 (b) 6 (c) 14 (d)

5. Which example shows how many twos there are in twelve?

(a) $12 \div 2 = 6$ (c) $6 + 6 = 12$

(b) $6 \times 2 = 12$ (d) $\square + 5 = 12$

6. In $20 \div 5 = 4$, the 4 is called the _____.

(a) divisor (c) quotient

(b) dividend (d) product

7. Look at the division example.

$$\begin{array}{r} 4\overline{)12} \\ -4 \\ \hline 8 \\ -4 \\ \hline 4 \\ -4 \\ \hline 0 \end{array}$$

1 four was subtracted

1 four was subtracted

1 four was subtracted

This shows that there are _____ fours in 12.

8. Complete the chart by writing the inverse number facts.

$12 \div 3 = 4$	
$8 \div 4 = 2$	
$6 \div 2 = 3$	

9. Which three numerals can make a multiplication and a division fact?

(a) 3, 4, 5 (c) 2, 4, 6

(b) 2, 5, 10 (d) 3, 4, 7

P.O. 3.04.02.01,.02

NAME:_____ CLASS:_____ DATE:_____

Follow the directions below.

RULE: The product of any number multiplied by a factor of 1 equals that number.

There are 4 dishes. There is 1 egg on each dish. Circle the multiplication sentence that describes the story.

4 x 0 = 4 4 x 1 = 4 4 x 4 = 4

Complete each number sentence.

5 x 1 = ☐ 1 x 1 = ☐

7 x 1 = ☐ 1 x 25 = ☐

1 x 10 = ☐ 15 x 1 = ☐

RULE: When any number is multiplied by 0, the product is always 0.

Complete each number sentence.

3 x 0 = ☐ 25 x 0 = ☐

1 x 0 = ☐ 0 x 10 = ☐

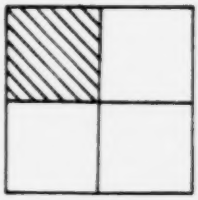
0 x 8 = ☐ 19 x 0 = ☐

There are 5 empty cookie jars.
How many cookies are there in all? _____

P.O. 3.06.01.01

NAME:_____ CLASS:_____ DATE:_____

Follow the directions in each part.



One-fourth ($\frac{1}{4}$) of this square is shaded.

The numerator $\frac{1}{\ }$ is the shaded part.

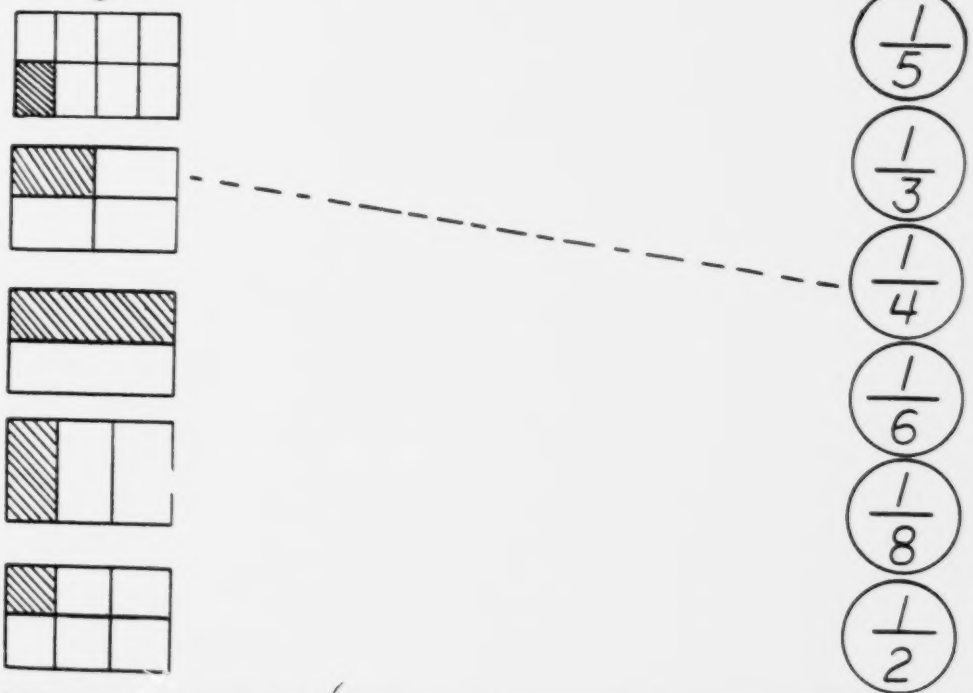
The denominator $\frac{\ }{4}$ is the total number of parts.

Cross out the word which does not belong.

The 1 in the fraction $\frac{1}{4}$ is the (numerator, denominator).

The 4 in the fraction $\frac{1}{4}$ is the (numerator, denominator).

Draw a line from the picture to the fraction which shows the shaded part of the figure.

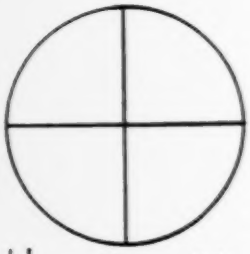


50

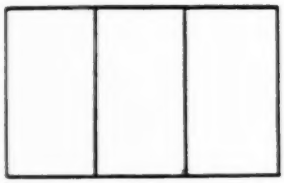
P.O. 3.06.01.02

NAME: _____ CLASS: _____ DATE: _____

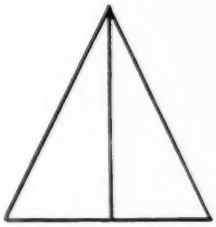
How many parts of each figure are needed to make the whole figure?



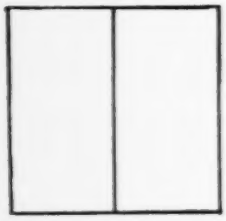
4 fourths



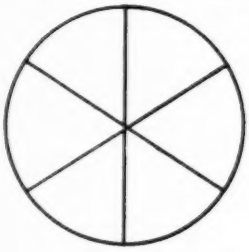
___ thirds



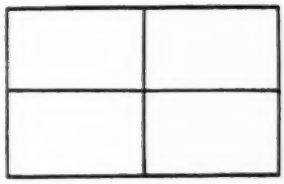
___ halves



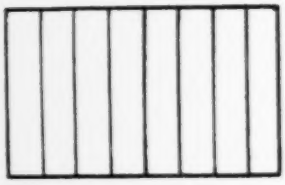
___ halves



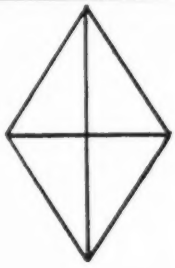
___ sixths



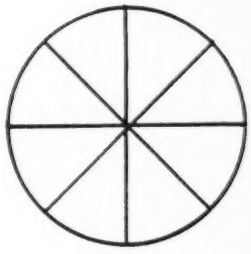
___ fourths



___ eighths



___ fourths



___ eighths

Do you remember?

25°C

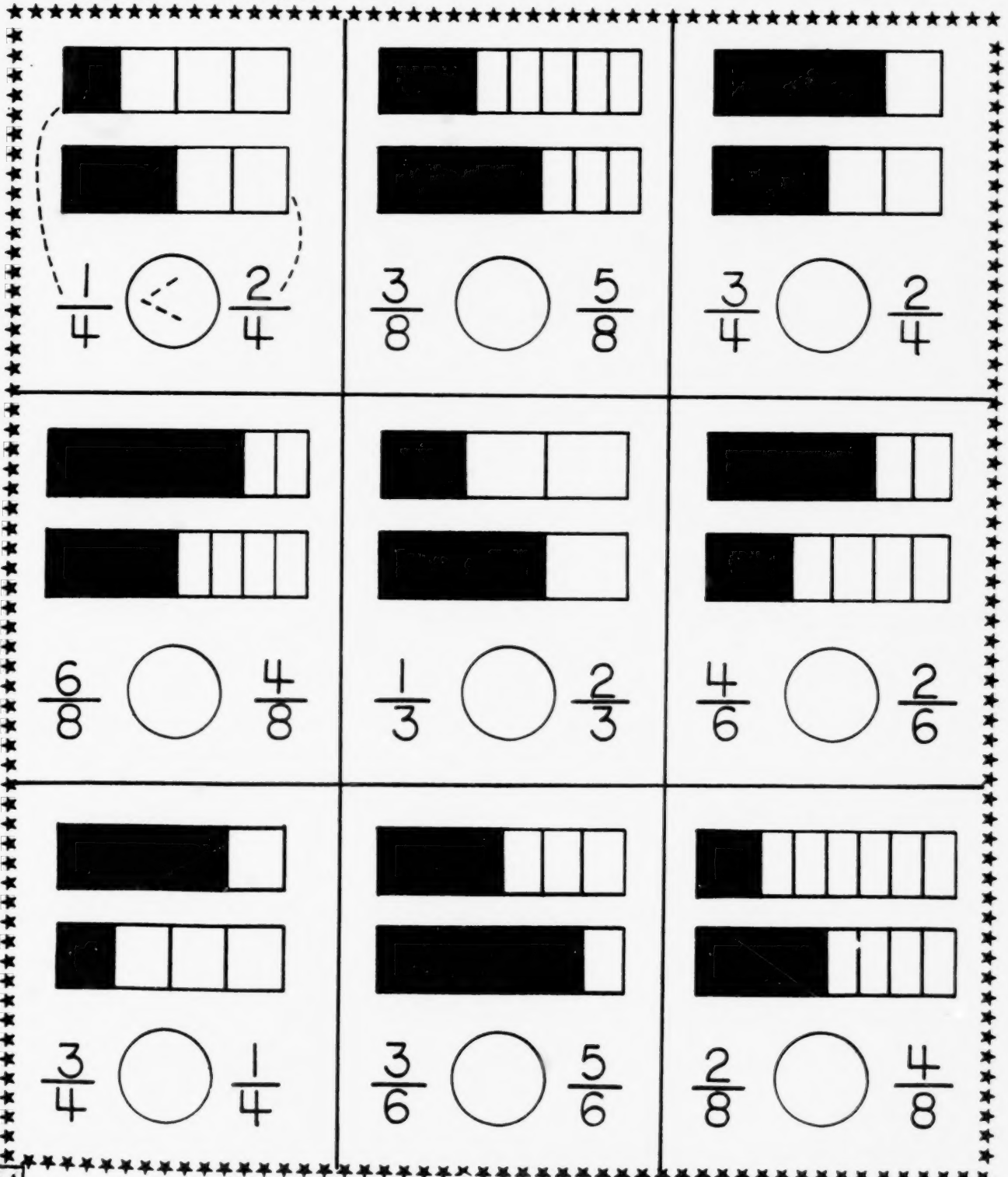
_____

_____

P.O. 3.06.01.03

NAME: _____ CLASS: _____ DATE: _____

Draw a line from the fraction to its matching picture. Write > or < in the circle between each pair of fractions so that the resulting statement is correct.

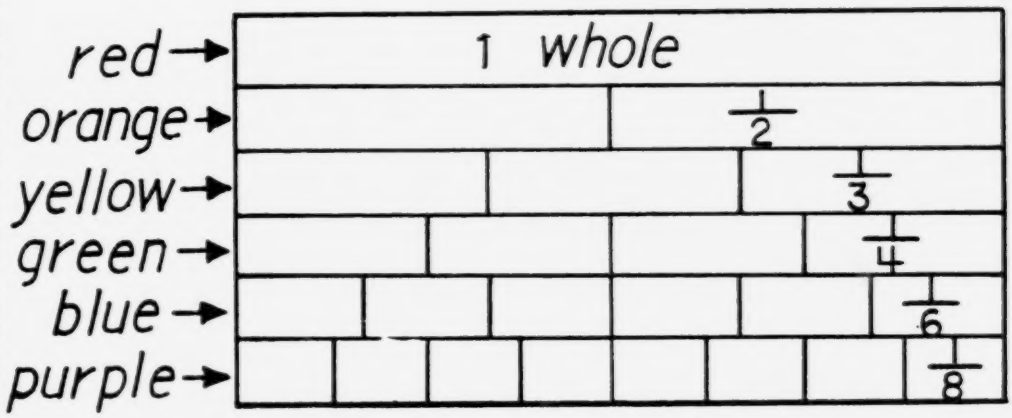


3.06.01.04

P.O._____

NAME:_____ CLASS:_____ DATE:_____

Color each fraction bar. Use the fraction bars to answer the questions.



$\frac{2}{4} = \frac{\square}{2}$	$\frac{4}{8} = \frac{\square}{2}$
$\frac{2}{6} = \frac{\square}{3}$	$\frac{2}{3} = \frac{\square}{6}$
$\frac{2}{2} = \frac{\square}{\text{WHOLE}}$	$\frac{4}{8} = \frac{\square}{2}$

Do you remember?

526 = _____ hundreds + _____ tens + _____ ones

870 = _____ hundreds + _____ tens + _____ ones

639 = _____ hundreds + _____ tens + _____ ones

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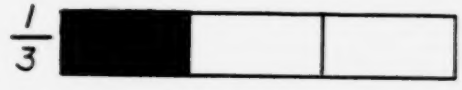
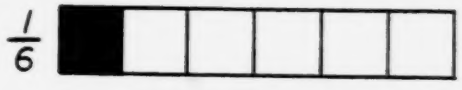
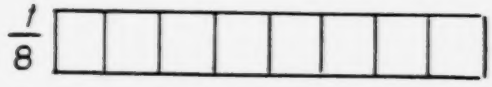
NAME: _____ CLASS: _____ DATE: _____

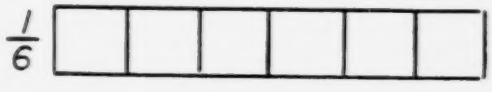
Color the part named by the fraction. Write the symbol > or < in each circle to form correct number sentences.



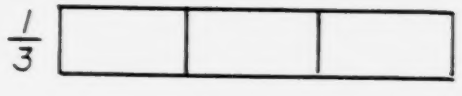


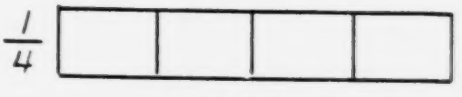
1/6 ◯ 1/3



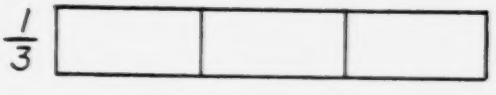


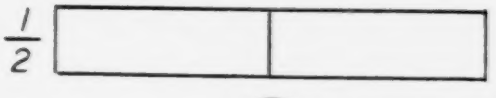
1/8 ◯ 1/6



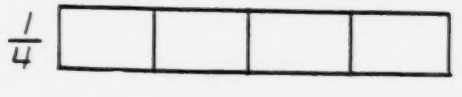


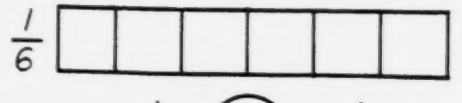
1/3 ◯ 1/4



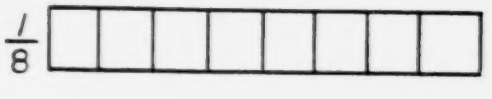


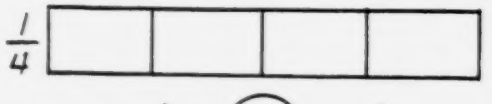
1/3 ◯ 1/2





1/4 ◯ 1/6





1/8 ◯ 1/4

Do you remember? Write these numbers in decreasing order.

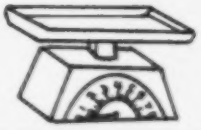
361 874 519 714 436 207

decreasing order 874, _____, _____, _____, _____, 207

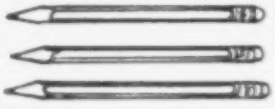
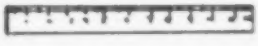
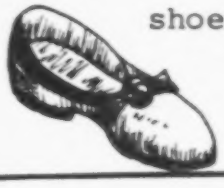
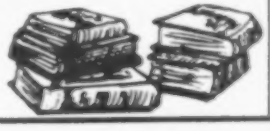
P.O. 3.10.04.01

NAME: _____ CLASS: _____ DATE: _____

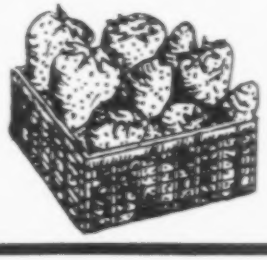
Complete the table by using a scale to weigh each object.



Scale

object	nearest ¼ pound	object	nearest ¼ pound
dictionary		pencils 	
ruler 		milk	
box of crayons		plant	
shoe 		books 	

CHALLENGE!



Two pounds of strawberries cost $3.00. How much does one pound of strawberries cost? _____

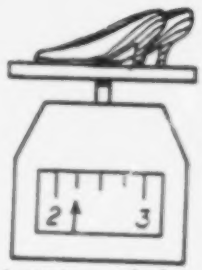
How much do three pounds of strawberries cost? _____

How much more do three pounds of strawberries cost than one pound of strawberries? _____

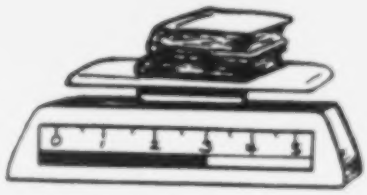
P.O. 3.10.04.02

NAME: _____ CLASS: _____ DATE: _____

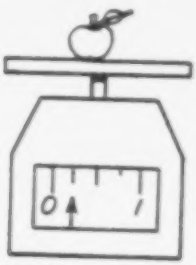
Write the weight of each object to the nearest pound, $\frac{1}{2}$ pound, or $\frac{1}{4}$ pound.



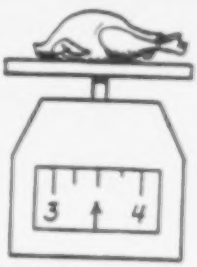
Weight= 2 1/2 lbs.



Weight= _____ lbs.



Weight= _____ lb



Weight= _____ lbs.

Weight= _____ lbs.

Weight= _____ lbs.

Do you remember?

Round each number to the nearest ten.

237 rounds to 240. 198 rounds to _____.

362 rounds to _____. 721 rounds to _____.

453 rounds to _____. 906 rounds to _____.

825 rounds to _____. 803 rounds to _____.

50

SHARPENING YOUR SKILLS

Units 14, 15, 16

Name: _____ **Class:** _____ **Date:** _____

1. Which number makes each number sentence true?

   3 x ☐ = 3 ☐ x 3 = 3

   12 6 1 0

   (a) (b) (c) (d)

2. When a number is multiplied by zero, the product is _____.

   (e) one more than the number
   (f) the number
   (g) one
   (h) zero

3. In the fraction $\frac{3}{5}$, the denominator is _____.

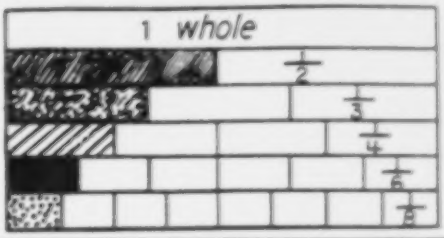
   2 3 5 8

   (a) (b) (c) (d)

4. What kind of line can be drawn to change the model from fourths to eighths?

   (e) one diagonal line
   (f) one vertical line
   (g) one horizontal line
   (h) none of these

Use this chart to answer questions 5 through 7.



5. 1 ◯ $\frac{1}{2}$

   > < = none of these

   (a) (b) (c) (d)

6. $\frac{3}{8}$ ◯ $\frac{5}{8}$

   > < = none of these

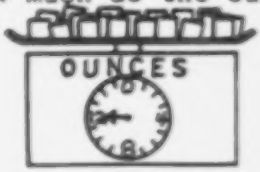
   (e) (f) (g) (h)

7. $\frac{1}{4}$ ◯ $\frac{5}{6}$

   > < = none of these

   (a) (b) (c) (d)

8. How much do the cubes weigh?



   (e) more than a pound
   (f) less than a pound
   (g) one pound
   (h) 12 pounds

P.O. 3.11.01.01-.02

NAME:_____ CLASS:_____ DATE:_____

Follow the directions below.

Circle and solve the open number sentences.

$12 \times 2 = \boxed{24}$

$5 \times \square = 15$

$16 \div 8 = \square$

$\square - 10 = 8$

$\square + 10 = 18$

$14 - 6 = \square$

$4 \times \square = 20$

$20 \div \square = 5$

Fill in the numbers for each function machine. What number relationships did you find?

x 3	in	10	11	12	13
	out	30	33		

As each input increased by one, each output increased by three.

÷ 3	in	21	18	15	12
	out				

x 6	in	2	3	4	5
	out				

÷ 4	in	28	24	20	16
	out				

P.O. 3.01.05.01-.02

NAME: _____ CLASS: _____ DATE: _____

Complete each part below.

Write the sums on the table below. Circle the odd sums. Shade the even sums.

+	1	2	3	4	5
1	■	(3)			
2					
3		(5)			■
4					
5					

Find each sum or difference. Write odd or even next to each addend and sum.

4 even + 2 even (6) even	5 ____ + 4 ____ ( ) odd	8 ____ - 5 ____ ( ) ____
7 odd + 3 odd ( ) ____	9 ____ - 3 ____ ( ) ____	6 ____ - 2 ____ ( ) ____

CHALLENGE! I am a number between 50 and 70. I am greater than 57. I am less than 59. What number am I? _____

P.O. 3.02.01.01

NAME:_____ CLASS:_____ DATE:_____

Find the number of treats at each location. Write two examples for each.

LOCATION 1

FRUIT

How many pieces of fruit in all?

45 + 23 = _____

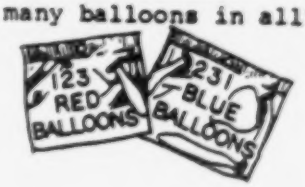
23 + 45 = _____

There are _____ pieces of fruit in all.

LOCATION 2

BALLOONS

How many balloons in all?



There are _____ balloons in all.

LOCATION 3

COOKIES

What is the total number of cookies?

There are _____ cookies in all.

LOCATION 4

PARTY FAVORS

How many party favors were bought?

There are _____ party favors in all.

Complete each number sentence.

31	+	46	=	46	+	31	753	+	174	=	174	+		
72	+	13	=	13	+			+	205	=	205	+		
60	+		=	27	+	60	448	+	315	=		+	448	
	+	49	=	49	+	33	116	+		=	305	+	116	

P.O. 3.02.01.02

NAME: _____ CLASS: _____ DATE: _____

Find the total number of vehicles to pass through each toll booth.
Use parentheses to show which numbers are added together first.

Booth

Type of Vehicle	A	B	C	D	E	F
Cars	200	100	9	400	300	600
Buses	30	50	80	5	7	70
Trucks	7	6	200	60	50	2
Total Number of Vehicles	237					

A. (200+30)+7=237

B. _____

C. _____

D. _____

E. _____

F. _____

CHALLENGE!

Rewrite 3000 + 500 + 80 + 7 = ☐ in as many different ways as you can without changing its total value.

SHARPENING YOUR SKILLS

Units 17, 18, 19

Name: _____ **Class:** _____ **Date:** _____

1. 6 + ☐ = 15

8 (a) 6 (b) 9 (c) 7 (d)

2. There are 17 boys and 8 girls. How many more boys than girls are there ? Which open sentence fits the story?

(a) 17 + 8 = ☐
(b) 8 + 17 = ☐
(c) 17 x 8 = ☐
(d) 17 - 8 = ☐

3. ☐ x 3 = 15

12 (a) 5 (b) 8 (c) not here (d)

4.

BICYCLES	1	2	3	4
WHEELS	2	4	6	?

How many wheels will 4 bicycles have?

7 (a) 8 (b) 10 (c) 9 (d)

5.

IN	20	25	30
OUT	25	30	?

What is the missing number in the table?

35 (a) 31 (b) 20 (c) not here (d)

6. Fill in odd or even.

The sum of two odd numbers is an _____ number.

The difference between an odd number and an even number is an _____ number.

The sum of an even number and an odd number is an _____ number.

7. 10 + 12 = 12 + ☐

2 (a) 22 (b) 10 (c) not here (d)

8. ☐ + 123 = 123 + 35

(a) 35 (c) 123
(b) 158 (d) not here

9. Which number sentence is part of the same number family as 13 + 12 = 25?

(a) 13 - 12 = 25
(b) 12 + 13 = 25
(c) 13 x 12 = 25
(d) not here

10. (20 + 10) + 5 = 20 + (☐ + 5)

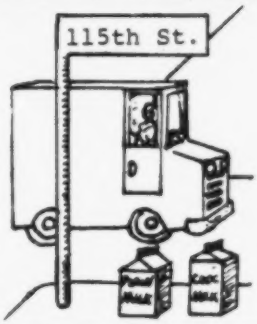
20 (a) 10 (b) 5 (c) not here (d)

P.O. 3.02.02.01,.03

NAME: _____ CLASS: _____ DATE: _____

Solve each example and problem below.

Everyday the milkman delivers milk to a school on 115th Street. Yesterday, he delivered 425 containers of chocolate milk and 362 containers of plain milk. How many containers of milk did he deliver yesterday?



solve check

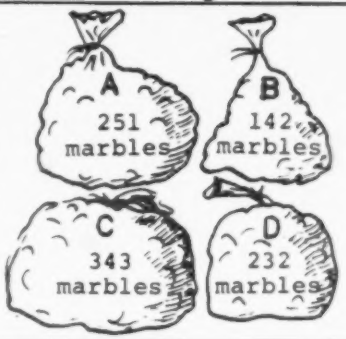
_____ containers of milk

A trucker delivered books to school. He delivered 123 science books and 142 math books to Room 235. How many books did the trucker deliver?

solve check

_____ books

Marco wants to share his marbles with his sister Maria by giving her 2 bags of marbles containing 483 marbles. Which 2 bags of marbles should Marco give to Maria?



solve check

bag _____ and bag _____

solve	check	solve	check
413 +342	342 +413	804 +192	
solve	check	solve	check
345 +422		718 +241	

P.O. 3.02.02.02-.03

NAME: _____ CLASS: _____ DATE: _____

Solve each example and problem below.

solve	check	solve	check
$2.41 +3.42 $.	$3.42 -2.41 $.	$4.02 3.40 $.	

solve	check	solve	check
$1.22 5.23		$4.31 2.14	

At a book sale Kevin bought a 135 page science book for $1.23 and a 150 page notebook for $1.54. How much did he spend altogether?

solve check

He spent _____ all together.

Mrs. Ward bought milk for $1.25 and cookies for $1.12. How much did she spend in all?

solve check

She spent _____ in all.

CHALLENGE!

At the school book fair, Joan bought a book and an item with which she could write. She spent a total of $2.48. Which two items did she buy?

solve check

BOOK FAIR	
PRICE LIST:	
SCIENCE BOOKS	$1.23
MATH BOOKS	$1.42
FAIRY TALES	$1.34
CRAYONS	$1.14
PENCILS	$1.23
PENS	$1.35

P.O. 3.03.01.01 & .03

NAME: _____ CLASS: _____ DATE: _____

Check Mary's test paper. If an answer is correct, place a ✓ in the box. If an answer is incorrect, place an X in the box and redo the example on a separate sheet of paper. Give Mary 10 points for each correct answer.

P.S. Class — Grade ___ Math Test — Mary January 3

① 575 − 242 = 333 ☑ check: 333 + 242 = 575

② 385 − 214 = 171 ☐ check

③ 786 − 421 = 365 ☐ check

④ 935 − 413 = 522 ☐ check

⑤ On Monday 645 bags of popcorn were sold at the circus. On Tuesday 312 bags of popcorn were sold. How many more bags were sold on Monday?

645 − 312 = 957 more bags were sold on Monday.

⑥ 678 − 214 = 464 ☐ check

⑦ 273 − 121 = 141 ☐ check

⑧ 418 − 104 = 314 ☐ check

⑨ 675 − 314 = 361 ☐ check

⑩ The elephant trainer bought 849 pounds of peanuts for his elephants. The elephants ate 321 pounds of peanuts on Monday. How many pounds of peanuts were left?

849 − 321 = 528 pounds of peanuts were left.

Do you remember?

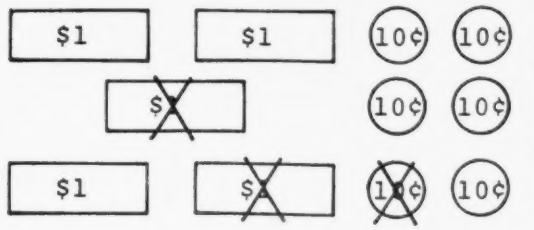
Guess the number.
It is a three-digit number.
Its numbers are in counting order.
It is an even number.
The sum of the digits is 9.
The number is _____.

Guess the number.
It is a two-digit number.
Both digits are the same.
It is an odd number.
The sum of the digits is 10.
The number is _____.

P.O. 3.03.01.02-.03

NAME: _____ CLASS: _____ DATE: _____

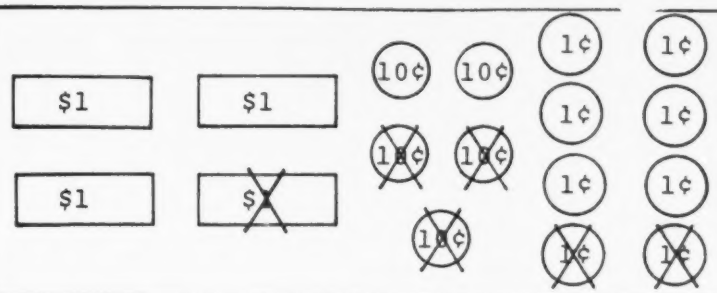
Write a subtraction example for each group of coins and bills. Check.

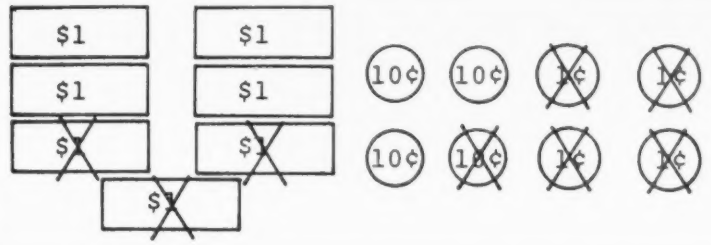


$5.65
-2.13
$3.52

check

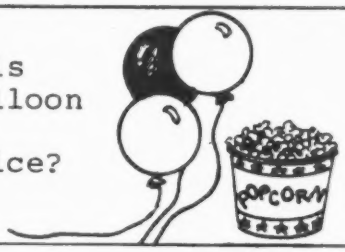
$3.52
+2.13
$5.65





Solve each problem and check your answer.

A bucket of popcorn sells for $2.75. A circus balloon sells for $1.25. What is the difference in price?



Veronica had $9.99. She bought a clown doll for $4.36. How much money did she have left?

P.O. 3.02.03.01-.02

NAME: _____ CLASS: _____ DATE: _____

Draw a smile on the face ☺ if you need to regroup or exchange.
Solve each problem and check your work. ☑

solve

$$\begin{array}{r} 236 \\ +\,127 \\ \hline 363 \end{array}$$

check

$$\begin{array}{r} 127 \\ +\,236 \\ \hline 363 \end{array}$$

☑

solve

$$\begin{array}{r} 158 \\ +\,224 \\ \hline \end{array}$$

check

☐

solve

$$\begin{array}{r} 615 \\ +\,148 \\ \hline \end{array}$$

check

☐

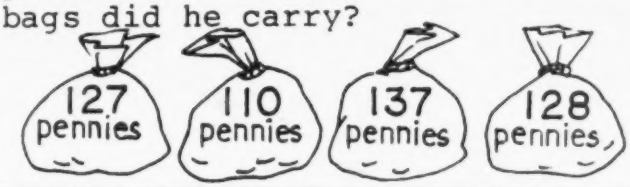
solve

$$\begin{array}{r} 234 \\ +\,132 \\ \hline \end{array}$$

check

☐

Peppy owns the pizza store. He carried two bags containing 265 pennies to the bank. Which two bags did he carry?



solve check

☐

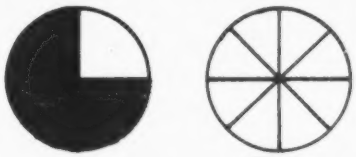
The first day of vacation Mr. Walker drove the family car 127 miles. The next day Mrs. Walker drove the car 136 miles. How far did they travel altogether?

solve check

☐

Do you remember?

Color the fractional equivalent and complete the fraction.



$\frac{3}{4} = \frac{\square}{8}$

$\frac{2}{3} = \frac{\square}{6}$

P.O. 3.03.02.01-.02

NAME: _____ CLASS: _____ DATE: _____

Find the missing numbers. Complete the examples by filling in the □ with the correct number.

$$63 = 60 + 3 = 50 + \square$$

$$-47 = -(40 + \square) = -(40 + \square)$$

$$= 10 + 6$$

$$= \square$$

$$82 = 80 + \square = \square + 12$$

$$-35 = -(\square + 5) = -(30 + \square)$$

$$= \square + 7$$

$$= \square$$

Subtract and check.

subtract	check	subtract	check
6 12 ~~7~~2 - 39 33	39 + 33 72	83 - 57	
subtract	**check**	**subtract**	**check**
51 - 17		46 - 28	

P.O. 3.03.02.02-.04

NAME: _____ CLASS: _____ DATE: _____

Solve and check the examples below.
Did you regroup? Write Y for yes if you regrouped.
Write N for no if you did not regroup.

Y 81 ~~91~~ - 38 53 check 38 + 53 91	☐ 47 - 26 check	☐ 53 - 18 check
☐ 84 - 37 check	☐ 62 - 40 check	☐ 80 - 27 check

Find each error. Redo and check each example.

Ⓐ 52¢ - 16¢ 68¢ X 52¢ - 16¢ check	Ⓑ 71¢ - 24¢ 53¢ X check	Ⓒ 5 17 ~~67~~¢ - 21¢ 316¢ X check

Which number sentence would you use to solve this problem?

Max had 85¢. He bought an 8 ounce box of raisins for 69¢. How much money does he have left?

ⓐ 85¢ + 69¢ = ☐ ⓒ 85¢ - 69¢ = ☐

ⓑ 69 - 8 = ☐ ⓓ 69 + 8 = ☐

Complete by filling in the missing information.

ATTENDANCE

	Boys	Girls	Total
Monday	17	☐	32
Tuesday	☐	19	28
Wednesday	17	☐	31
Thursday	☐	19	27
Friday	15	☐	30

SHARPENING YOUR SKILLS

Units 21, 22, 23

Name: _____ Class: _____ Date: _____

Use the table below to answer questions 1, 2, and 3.

Item	Cost
pencil	$ .42
notebook	$1.23
ruler	$ .91
bookbag	$5.20

1. How much do the bookbag and the notebook cost together?

_____

2. David has $9.95. He bought the bookbag and the notebook. How much money does he have left?

_____

3. How much more does the ruler cost than the pencil?

_____

4.
$$\begin{array}{r} 84¢ \\ -37¢ \\ \hline \end{array}$$

47 (a) 53¢ (b) 47¢ (c) 57 (d)

5. solve check

$$\begin{array}{r} 261 \\ +384 \\ \hline \end{array}$$

P.S. 321 has 72 classrooms. P.S. 41 has 36 classrooms.

6. How many more classrooms are in P.S. 321 than in P.S. 41?

_____

7. If 15 classrooms are closed in P.S. 321 how many classrooms are open?

_____ classrooms are open.

8. Match the expanded subtraction to a standard subtraction.

$$\begin{array}{r} 90 + 2 \\ -(20 + 8) \\ \hline \end{array} = \begin{array}{r} 80 + 12 \\ -(30 + 8) \\ \hline 50 + 4 \end{array}$$

54

$$\begin{array}{r} 92 \\ -38 \\ \hline \end{array} \quad \begin{array}{r} 902 \\ -308 \\ \hline \end{array} \quad \begin{array}{r} 82 \\ -48 \\ \hline \end{array} \quad \begin{array}{r} 83 \\ -29 \\ \hline \end{array}$$

(e) (f) (g) (h)

9. Peter has $8.21. If he earns $1.42, how much money will he have?

(a) $9.23

(b) $7.21

(c) $9.63

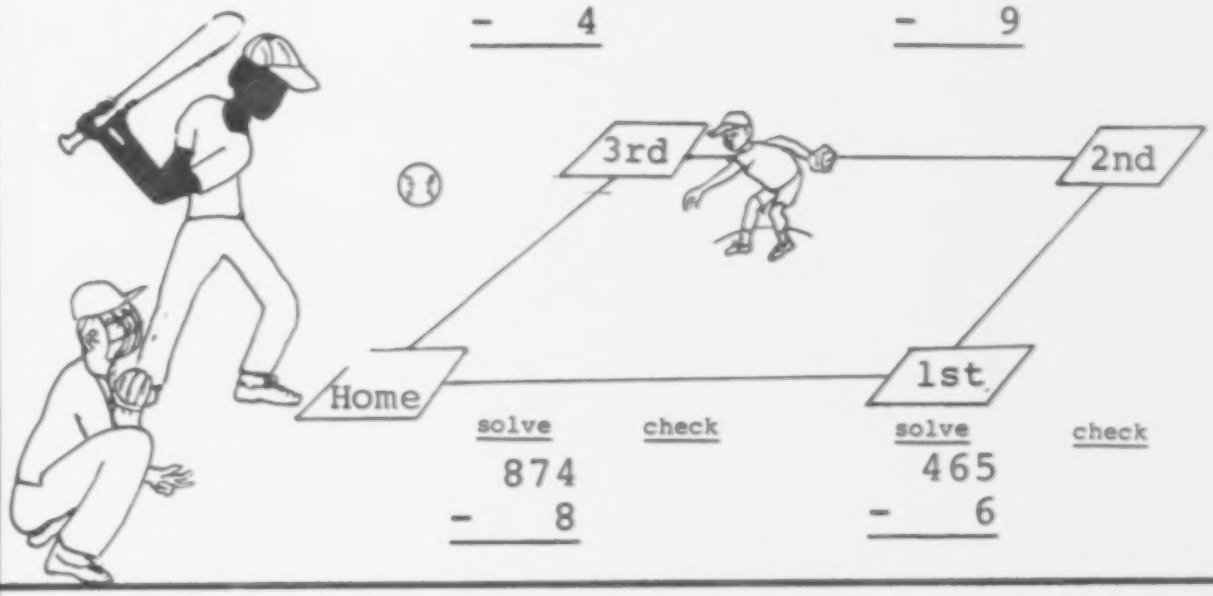
(d) $8.63

P.O. 3.03.03.01, .02, .04

NAME: _____ CLASS: _____ DATE: _____

1. See if you can hit a home run. Solve and check each example.
2. Solve and check each story problem.

Batter Up



solve check

370
- 4

solve check

327
- 9

solve check

874
- 8

solve check

465
- 6

solve check

1. Sam has 125 baseball cards. He gave 8 to has brother. How many does he have left?

Answer: He has 117 baseball cards left.

solve check

2. My father drove 291 miles on Monday. On Tuesday he drove 5 miles less. How many miles did he drive on Tuesday?

Answer: _____

solve check

3. Max made 196 jelly donuts. He made 48 fewer chocolate donuts. How many chocolate donuts did he make?

Answer: _____

solve check

4. A VCR cost $395. A cassette recorder cost $86. What was the difference in price?

Answer: _____

P.O. 3.03.03.03-.04

NAME: _____ CLASS: _____ DATE: _____

1. Solve and check each example.
2. Solve and check each story problem.

Help Sherlock Holmes Solve The Mystery of the Missing Numbers

solve	check	solve	check
267 - 138		$9.89 - 4.26	
solve	**check**	**solve**	**check**
458 - 239		$6.64 - 5.17	

1. John ran 226 miles last year. His brother ran 117 miles. How many more miles did John run? — solve — check

Answer: _____

2. Haydee has 472 pennies in her bank. Her sister has 125 fewer pennies. How many pennies does her sister have? — solve — check

Answer: _____

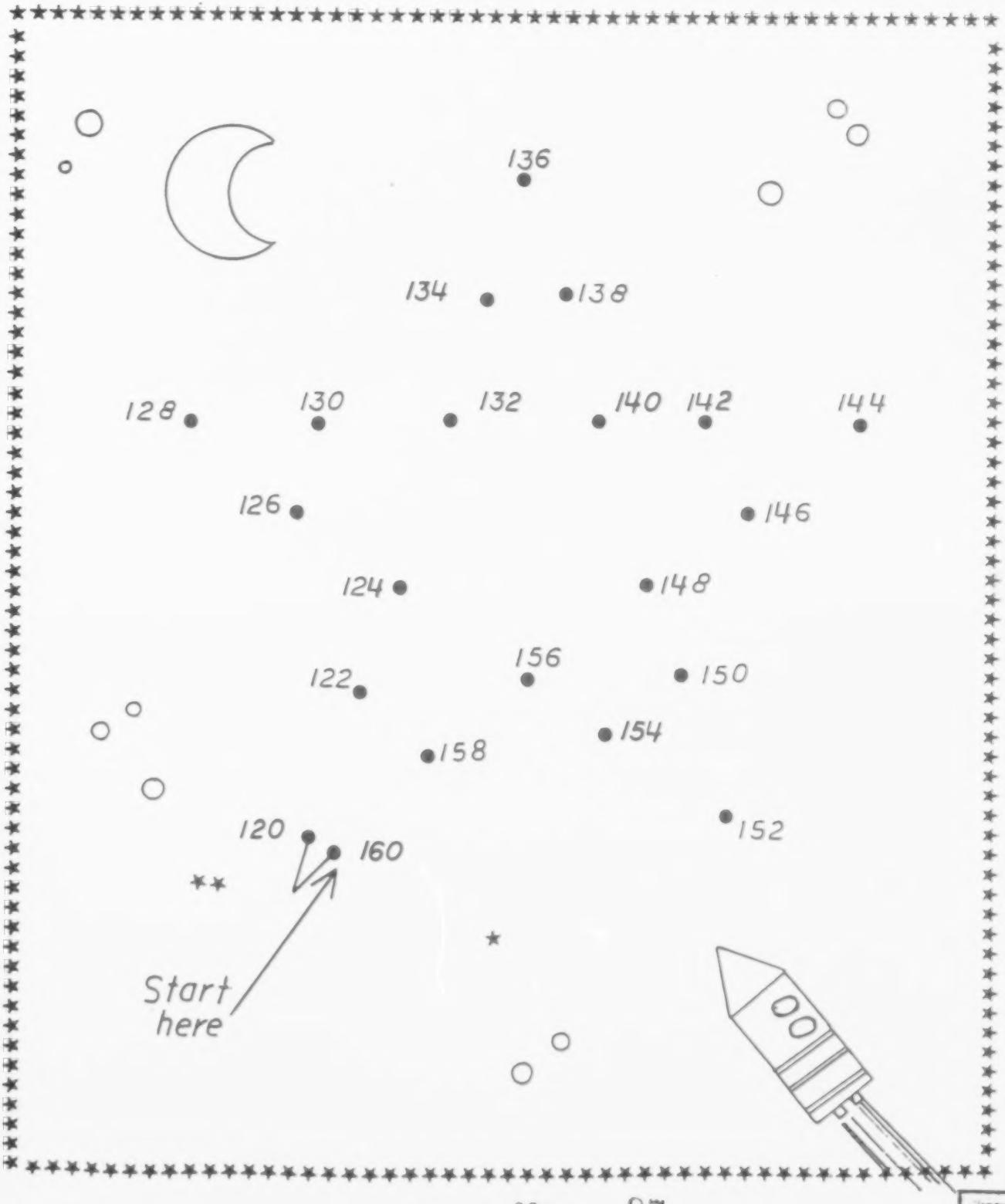
3. Ann's bicycle cost $358. Maria's bicycle cost $229. What was the difference in price between the two bicycles? — solve — check

Answer: _____

P.O. 3.01.06.01

NAME: _____ CLASS: _____ DATE: _____

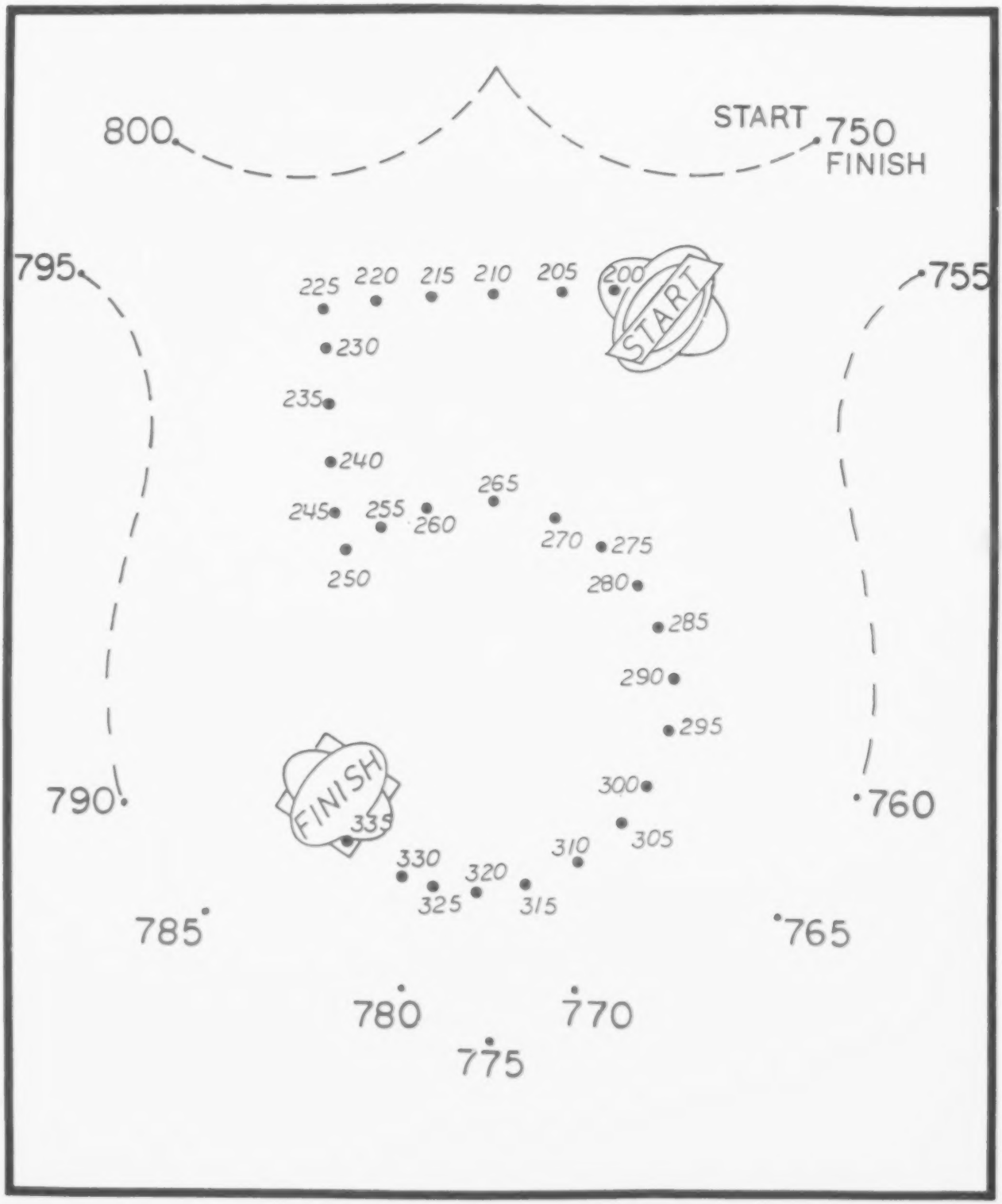
Connect the dots, counting backward by twos.
Check your work, counting forward by twos.



P.O. 3.01.06.02

NAME: _____ CLASS: _____ DATE: _____

Count forward by fives to connect the dots inside the badge.
Count backward by fives to connect the dots on the edge of the badge.

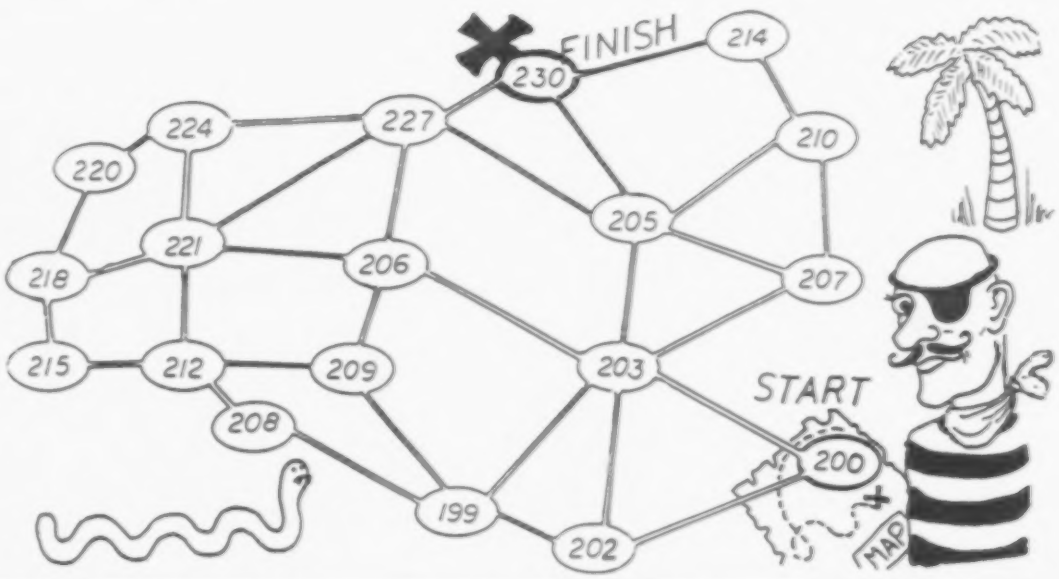


P.O. 3.01.06.03

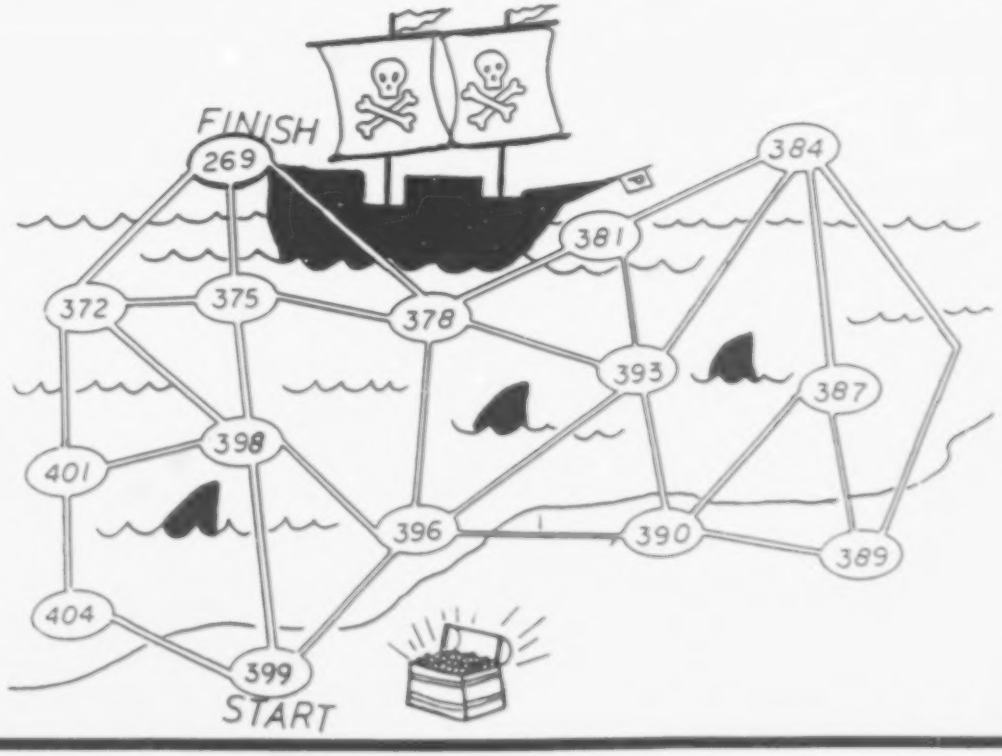
NAME: _____ CLASS: _____ DATE: _____

Follow the directions below.

Help the pirate find the treasure by counting forward by threes. Begin at 200.



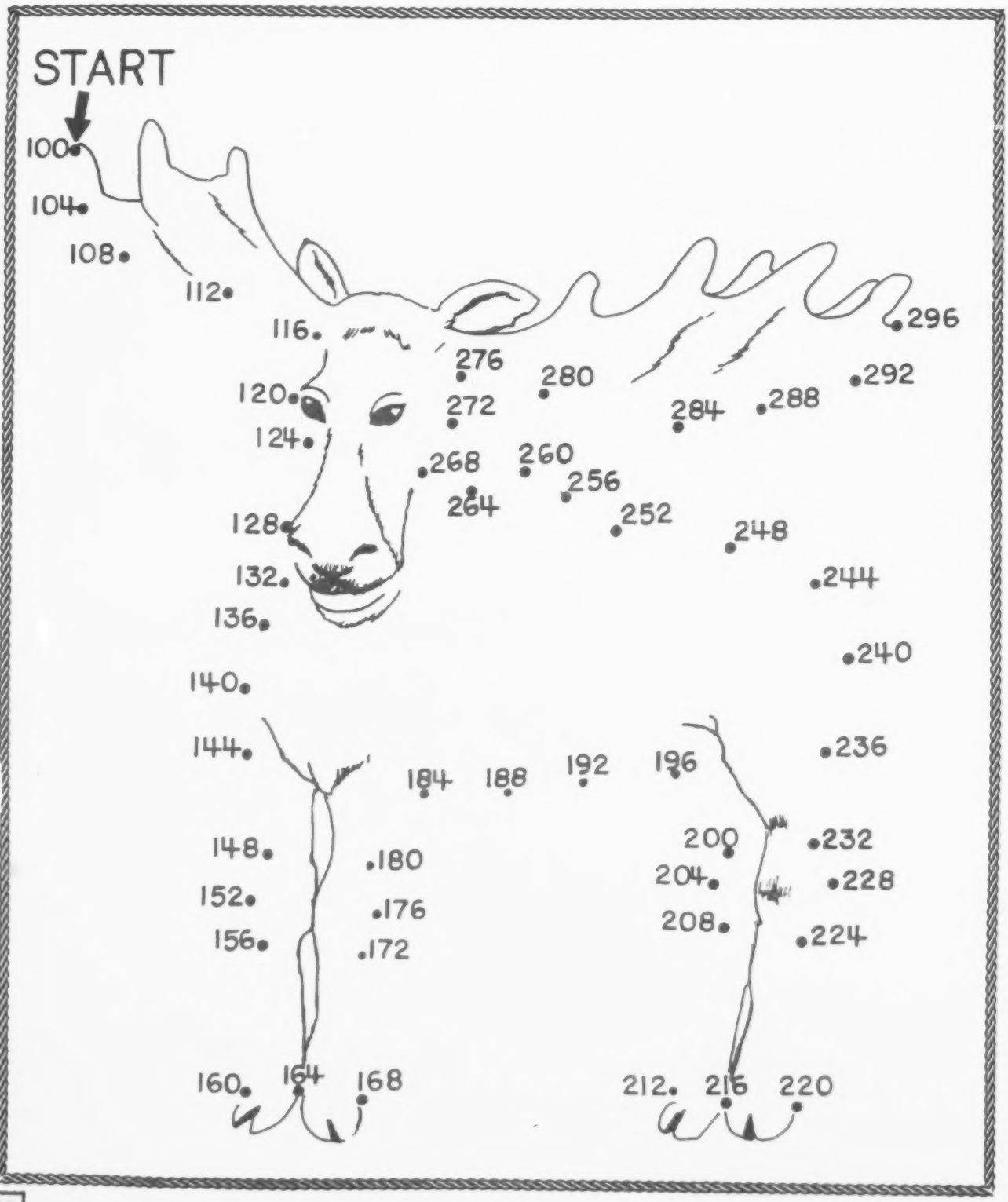
Help him carry the treasure to his ship by counting backward by threes. Begin at 399.



P.O. 3.01.06.04

NAME: _____ CLASS: _____ DATE: _____

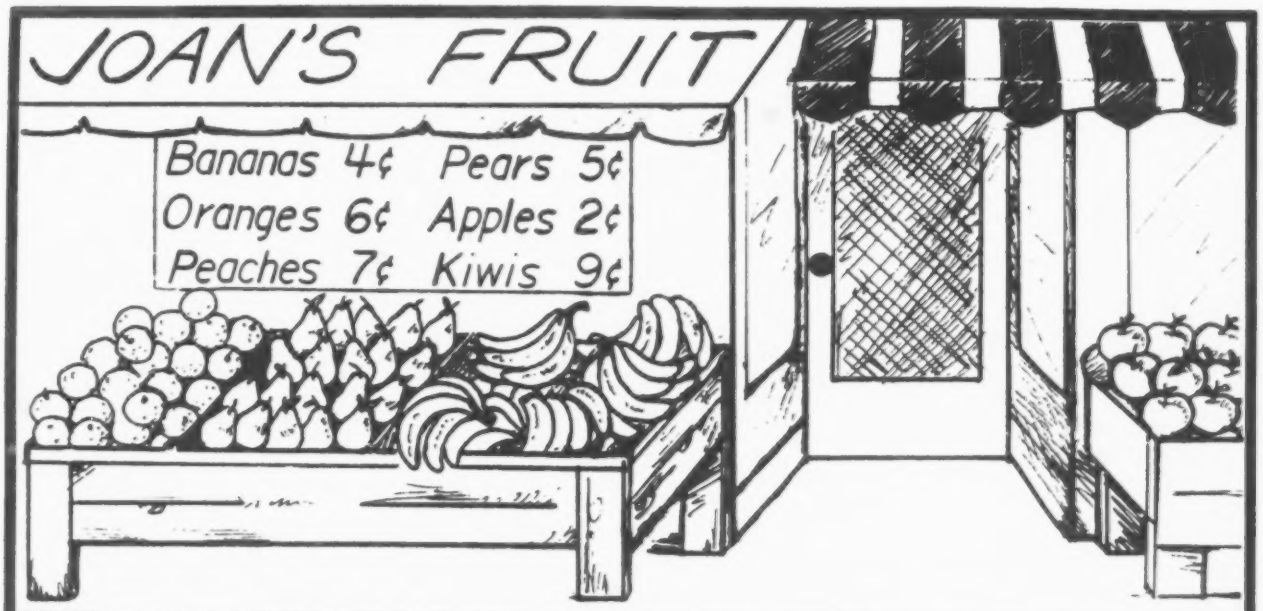
Connect the dots, counting forward by fours.
Check your work, counting backward by fours.



P.O. 3.04.03.01-.03

NAME:_____ CLASS:_____ DATE:_____

Solve these problems by using the fruit store's price list.



1. Rosa wants to buy 8 apples. How much will they cost?

2. Tamika will buy 2 pears. How much will they cost?

3. Two bananas cost 8¢. How much will 4 apples cost?

4. Pat will buy 2 kiwis. How much will he spend?

5. Paul bought 6 apples and 2 oranges. Paul paid_____.

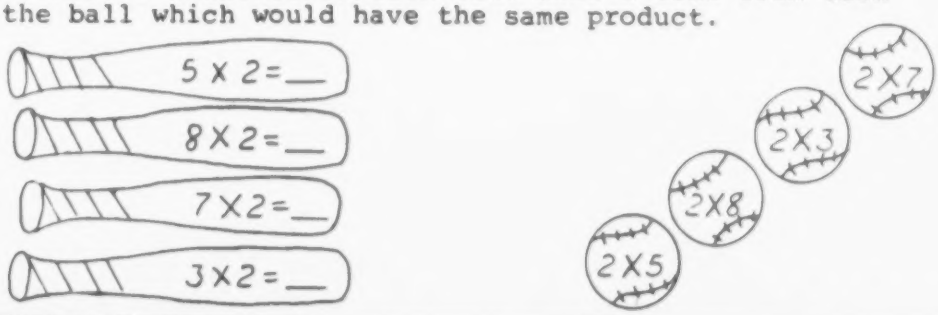
   (a) more for the oranges than for the apples.

   (b) less for the oranges than for the apples.

   (c) the same for the oranges and for the apples.

   (d) more than 25¢ for the oranges and the apples.

Solve the number sentence in each bat. Draw a line from each bat to the ball which would have the same product.

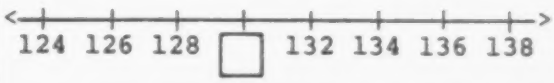


SHARPENING YOUR SKILLS

Units 25, 26

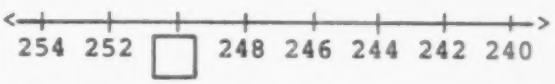
Name: _____ **Class:** _____ **Date:** _____

1. Count by twos. Which number is missing?



129 (a) 130 (b) 131 (c) NG (d)

2. Count backward by twos. Which number is missing?



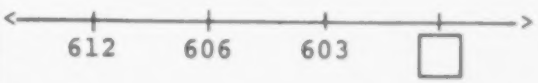
253 (e) 251 (f) 249 (g) NG (h)

3. Count backward by fives. Which numbers are missing?

310, 305, ____, 295, 290, _____

4. When you count forward by threes which number comes after 603? _____

5. Count backward by threes. Which number is missing?



600 (a) 603 (b) 615 (c) 604 (d)

6. Count backward by fours. Which number comes next?

188, 184, 180, 176, _____

7. Which product makes both examples true?

$\begin{array}{r} 2 \\ \times 4 \\ \hline \square \end{array}$ $4 \times 2 = \square$

2 (a) 6 (b) 8 (c) NG (d)

8. If $5 \times 2 = 10$, then $\square \times 5 = 10$

15 (e) 2 (f) 5 (g) 10 (h)

9. $6 \times 2 = 2 \times \square$

14 (a) 12 (b) 8 (c) 6 (d)

10. Which open number sentence shows how many apples Peter picked?

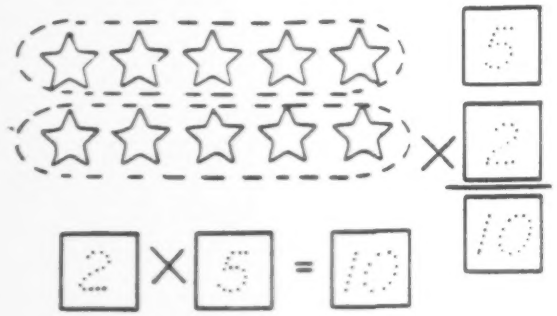
(e) $4 - 2 = \square$ (g) $8 - 2 = \square$

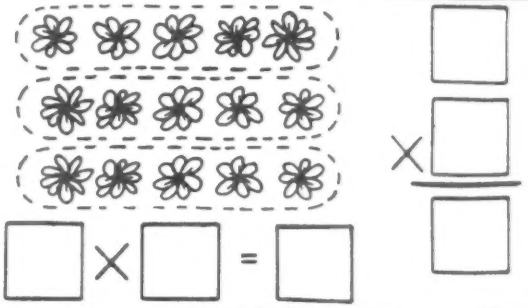
(f) $4 + 2 = \square$ (h) $2 \times 4 = \square$

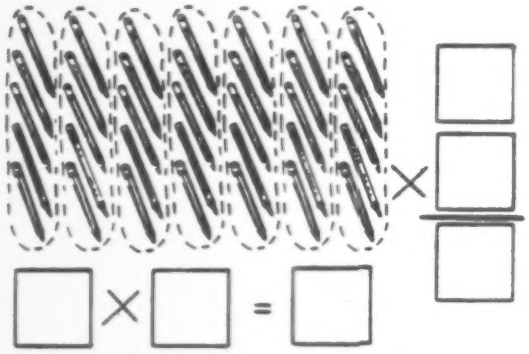
p.o. 3.04.04.01 & .03

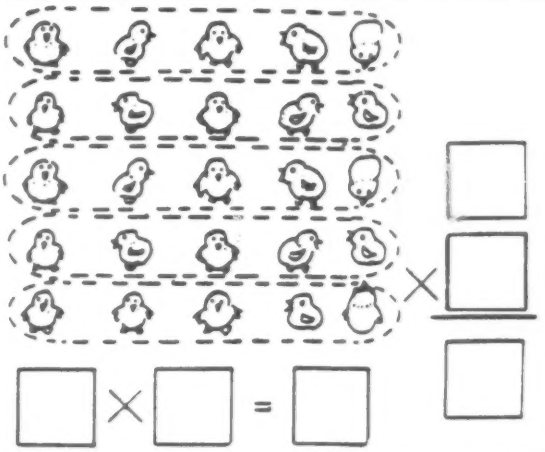
NAME: _____ CLASS: _____ DATE: _____

Write the multiplication facts in both vertical and horizontal formats.









Solve each word problem. Label your answers.

1. There are 5 rows of seats in the classroom. Nine students are seated in each row. How many students are there in all?	Work Space 5 x 9 = 45
2. There are 5 boats at the dock. Four people are on each boat. How many people are there in all?	
3. There are 6 tables in the restaurant. Five people are at each table. How many people are there in all?	

CHALLENGE!

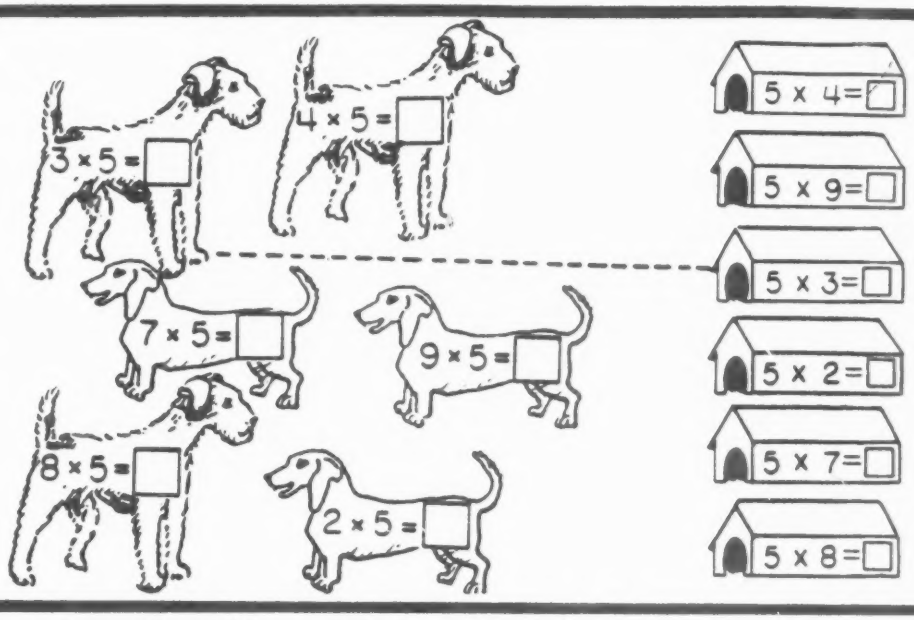
5 people are in each of 5 sailboats.
5 people are in each of 5 motorboats.
How many people are in all the boats?

There are _____ people in all the boats.

P.O. 3.04.04.02 & .04

NAME: _____ CLASS: _____ DATE: _____

Solve each number sentence. Draw a line from the dogs to the dog houses to show that multiplication is commutative.



Solve each word problem. Label your answer.

	Work Space
1. There are 6 tables with 5 children at each table. How many children are there in all? There are _____ children in all.	6 x 5 = 30
2. There are 5 tables with 6 children at each table. How many children are there in all? There are _____ children in all.	
3. There are 4 trees with 5 apples on each tree. How many apples are there in all? There are _____ apples in all.	
4. There are 5 trees with 4 apples on each tree. How many apples are there in all? There are _____ apples in all.	

Do you remember?

What number makes every subtraction example true? ____

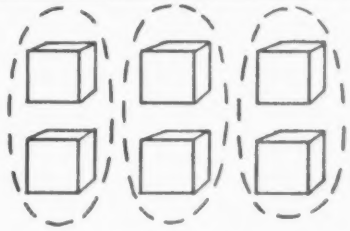
455 − 216 = 2□9	892 − 544 = □48	791 − 46□ = □28	54□ − 207 = □□6

P.O. 3.05.02.01 & .04

NAME: _____ CLASS: _____ DATE: _____

Follow the directions below.

Draw a ring around groups of 2. Complete each division example.



There are 6 blocks.
How many groups of 2?

$6 \div 2 = \square$

There are 12 circles.
How many groups of 2?

$2\overline{)12}$ $\square$

Complete each division example.

$4 \div 2 = \square$

$2\overline{)6}$ $\square$

$16 \div 2 = \square$

$8 \div 2 = \square$

$2\overline{)10}$ $\square$

$10 \div 2 = \square$

$12 \div 2 = \square$

$2\overline{)2}$ $\square$

$18 \div 2 = \square$

Write a number sentence to solve each problem.
Circle the key words.

A florist has 18 roses. She places 2 in each vase. How many vases did she use?

Two boys will share 14 marbles.
How many marbles will each boy have?

P.O. 3.05.02.02 & .04

NAME: _____ CLASS: _____ DATE: _____

Follow the directions below.

Circle groups of 5. Complete each division example.

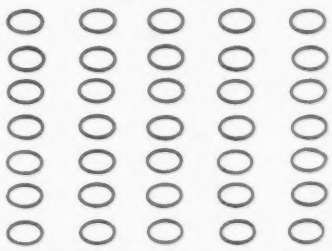
10 stars

How many groups of 5? ☐

10 ÷ 5 = ☐

$5\overline{)10}$ (☐)

35 ovals

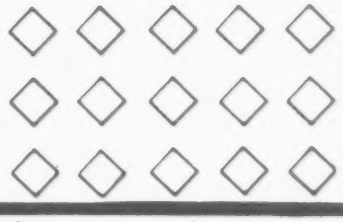


How many groups of 5? ☐

35 ÷ 5 = ☐

$5\overline{)35}$ (☐)

15 diamonds



How many groups of 5? ☐

15 ÷ 5 = ☐

$5\overline{)15}$ (☐)

Write a number sentence to solve each problem. Circle the key words.

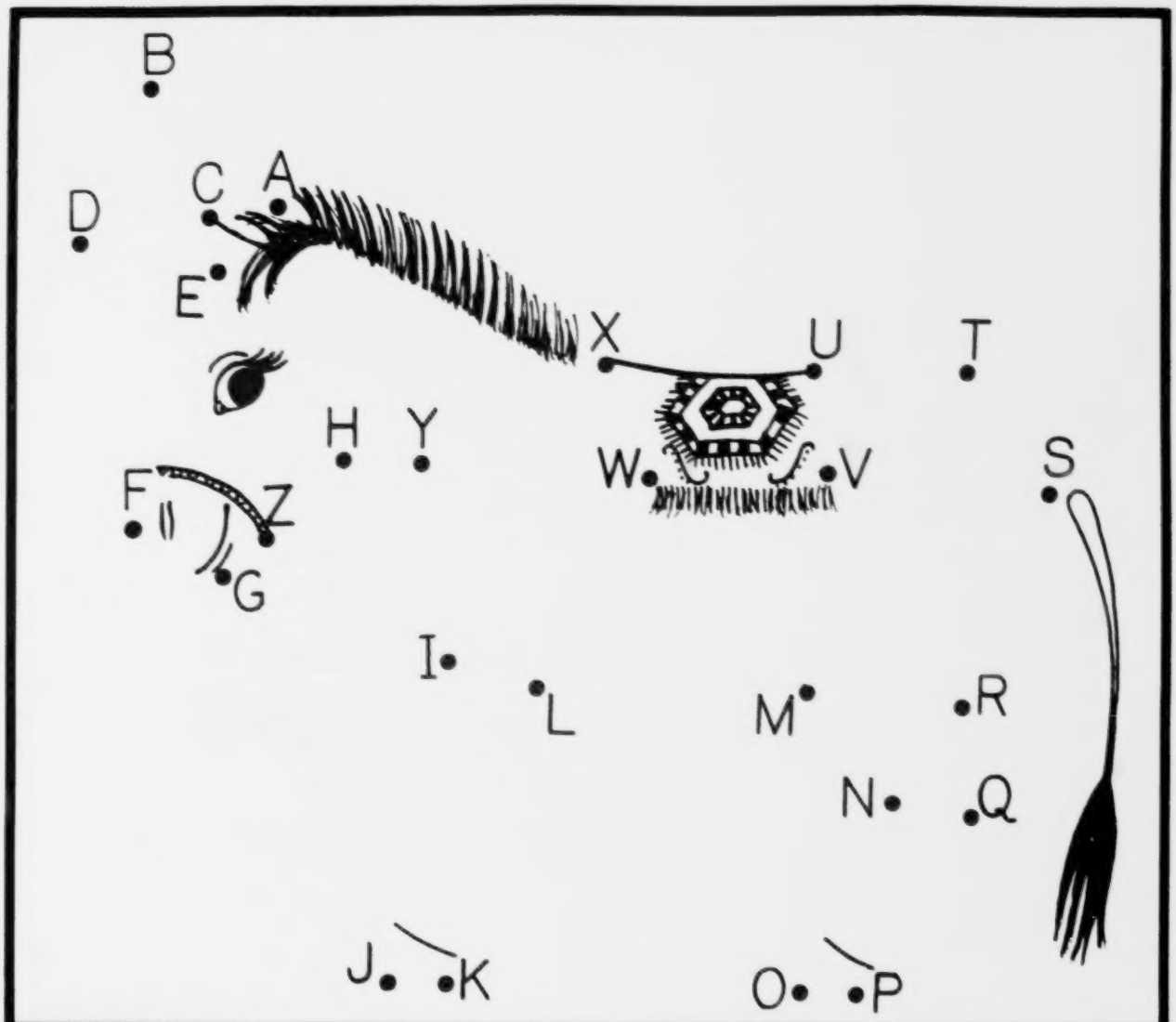
Mrs. Rivera's 5 children shared 30 balloons equally. How many balloons did each of her children get?

45 birds were placed in 5 cages. How many birds were in each cage if each cage held an equal number of birds?

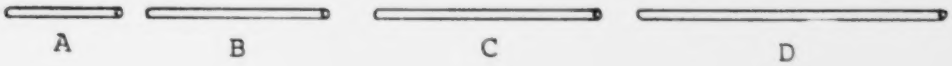
P.O. 3.09.01.01

NAME: _____ CLASS: _____ DATE: _____

Each dot represents a point. Connect the dots in alphabetical order to complete the picture.



CHALLENGE! Look at these sticks.



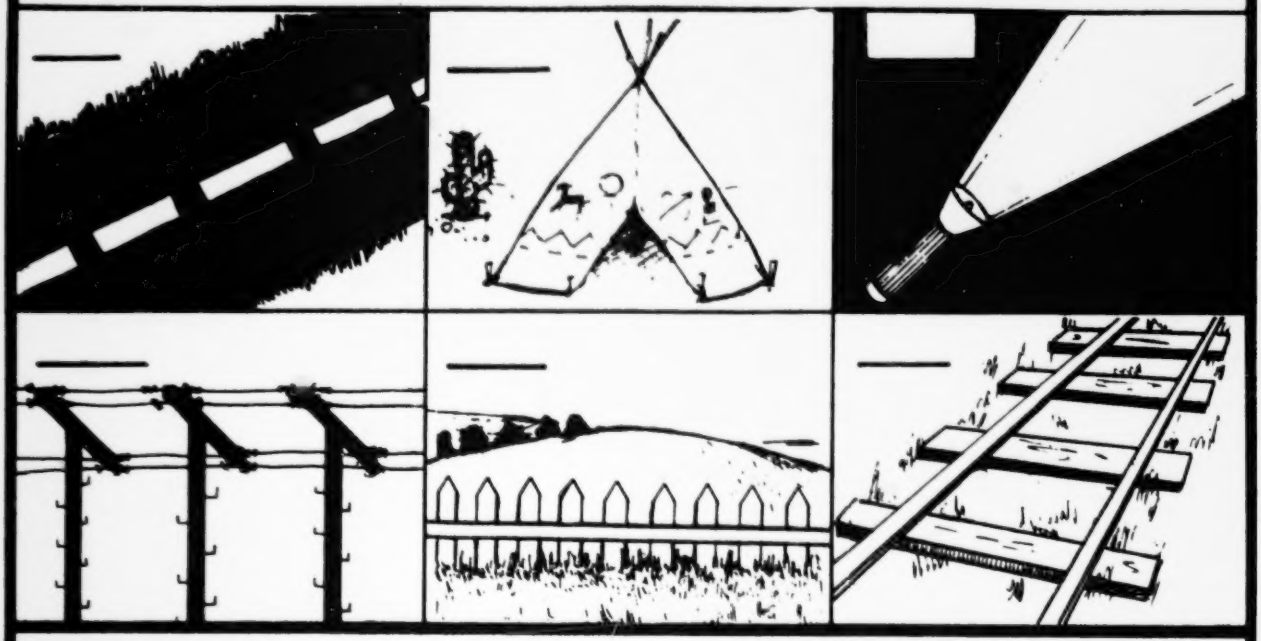
How many different triangles can you make using three sticks at a time?
Hint: Make a list.

P.O. 3.09.01.02

NAME: _____ CLASS: _____ DATE: _____

Follow the directions below.

Place a check in each box with a picture suggesting lines.



Draw a ring around the symbols which identify lines.

$\overleftrightarrow{AB}$ $\overrightarrow{CD}$ $\overline{EF}$ $\overleftarrow{GH}$ $\overleftrightarrow{IJ}$ $\overleftrightarrow{KL}$ $\overrightarrow{MN}$ $\overline{OP}$ $\overleftrightarrow{QR}$

Do you remember?

Complete each pattern.

$2 \times 1 = 2, 2 \times 2 = 4$, _____ , _____ , $2 \times 5 = 10$

$3 \times 5 = 15, 3 \times 4 = 12$, _____ , _____ , $3 \times 1 = 3$

$4 \times 1 = 4$, _____ , _____ , _____ , $4 \times 5 = 20$

$5 \times 5 = 25, 5 \times 4 = 20$, _____ , _____ , _____

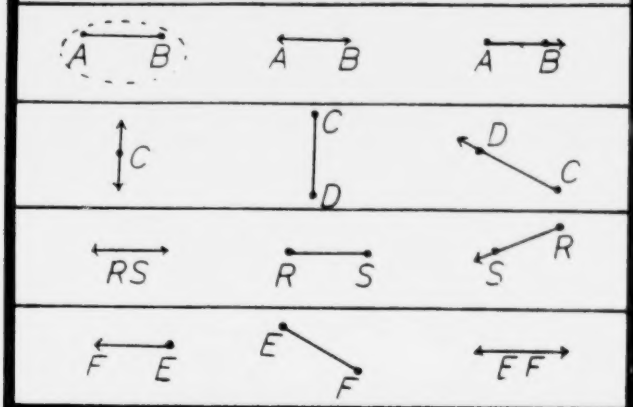
84

P.O. 3.09.01.03-.04

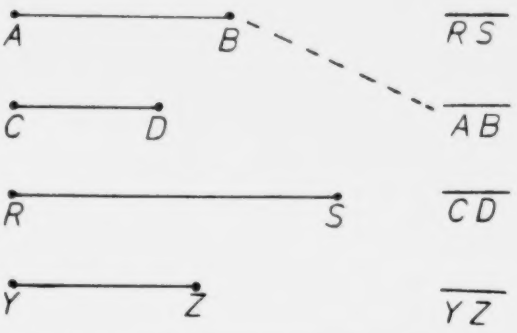
NAME: _____ CLASS: _____ DATE: _____

Follow the directions below.

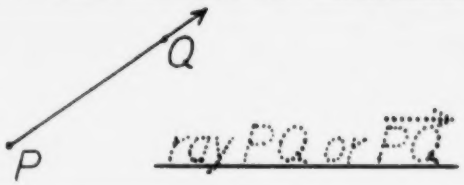
Circle the line segments.

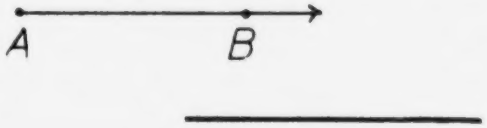


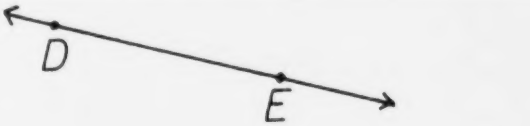
Match the line segments with their symbols.

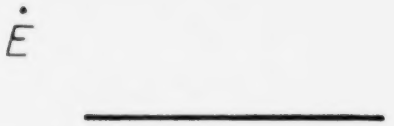


Identify and name each drawing. Circle the drawings of rays.









DO YOU REMEMBER?

The ice cream man sold 135 cones on Park Avenue. He sold 264 cones on Broadway. How many cones did he sell altogether?

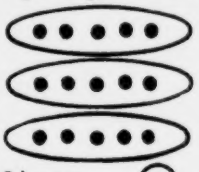
Popeye ate 110 cans of spinach last year. This year he ate 212 cans. How many more cans of spinach did he eat this year?

SHARPENING YOUR SKILLS

Units 27, 28, 29

Name: _____ **Class:** _____ **Date:** _____

1. How many groups of five?



(a) 15 fives (c) 3 fives

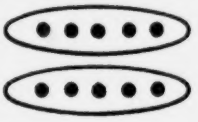
(b) 5 fives (d) 1 five

2. How many fives?

(e) 30 fives (g) 5 fives

(f) 6 fives (h) 1 five

3. Write a multiplication number sentence to describe this array.

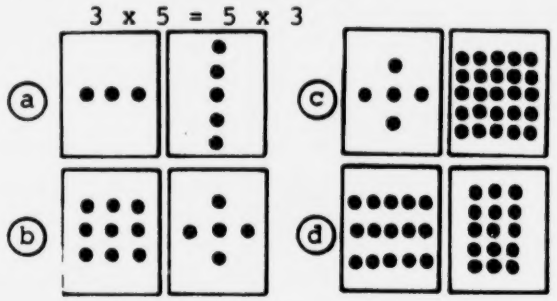


_____

4. What number makes both examples true? _____

$6 \times 5 = \square$ $\quad$ $5 \times \square$

5. Which cards describe $3 \times 5 = 5 \times 3$?



(a) (c)

(b) (d)

6. If $5 \times 8 = 40$

then $8 \times \square = 40$

$\square =$ ____

7. Each day Paula saves 5¢. How much money will she save at the end of a week?

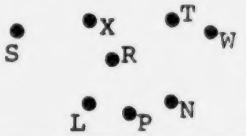
Paula will save _____.

8. Divide.

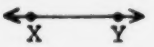
$2\overline{)14}$ $\quad$ $5\overline{)30}$

$18 \div 2 = \square$ $\quad$ $40 \div 5 = \square$

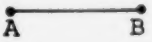
9. Connect four points to make a square.



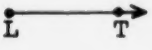
10. Circle the correct choice.



line, ray, line segment



line, ray, line segment

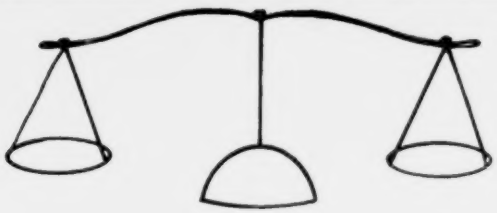


line, ray, line segment

P.O. 3.10.05.01

NAME: _____ CLASS: _____ DATE: _____

Balance the scale by placing an equal amount of weight on each side.
Draw a line to connect equal weights.



2000 g	$\frac{1}{2}$ g
1000 g	$\frac{1}{2}$ kg
500 g	2 g
1000 mg	2 kg
2000 mg	1 kg
500 mg	1 g

Do you remember?

There is a ☐ around one number in each number sentence. Select a word from the list which describes that number and write it on the line.

$14 - \boxed{5} = 9$	subtrahend
$\boxed{5} \times 3 = 15$	_____
$8 - 3 = \boxed{5}$	_____
$12 \div \boxed{2} = 6$	_____
$\boxed{11} - 4 = 7$	_____
$6 + 7 = \boxed{13}$	_____
$20 \div 5 = \boxed{4}$	_____
$\boxed{9} + 3 = 12$	_____

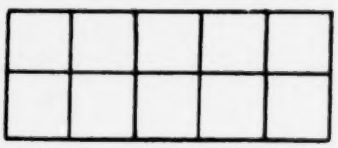
WORD LIST

quotient	factor
sum	difference
product	divisor
minuend	addend
subtrahend	dividend

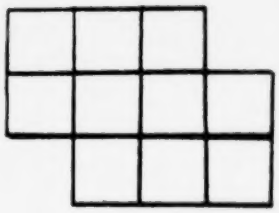
P.O. 3.07.01.01

NAME: _____ CLASS: _____ DATE: _____

Color the amount indicated below each picture.



0.2



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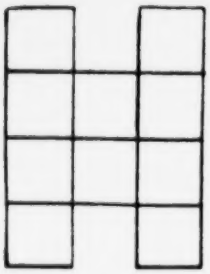

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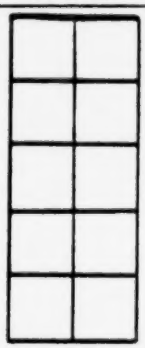

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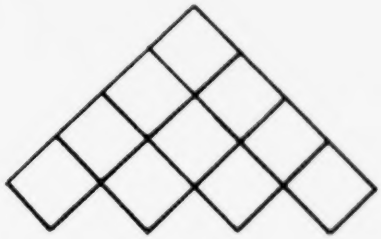

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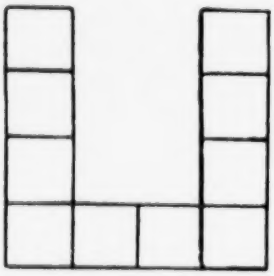
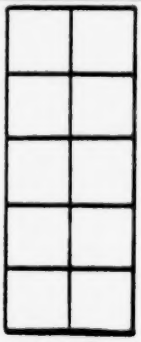
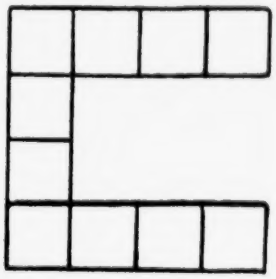


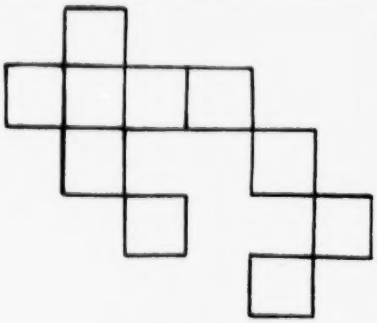
0.8



0.3



0.1



0.6

CHALLENGE!

Draw a figure which has 0.6 shaded.

P.O. 3.07.01.02

NAME: _____ CLASS: _____ DATE: _____

Follow the directions below.

Write the fraction on each clown's hat as a decimal.

CHALLENGE!

Count by tenths. Cross out the numbers which do not belong.

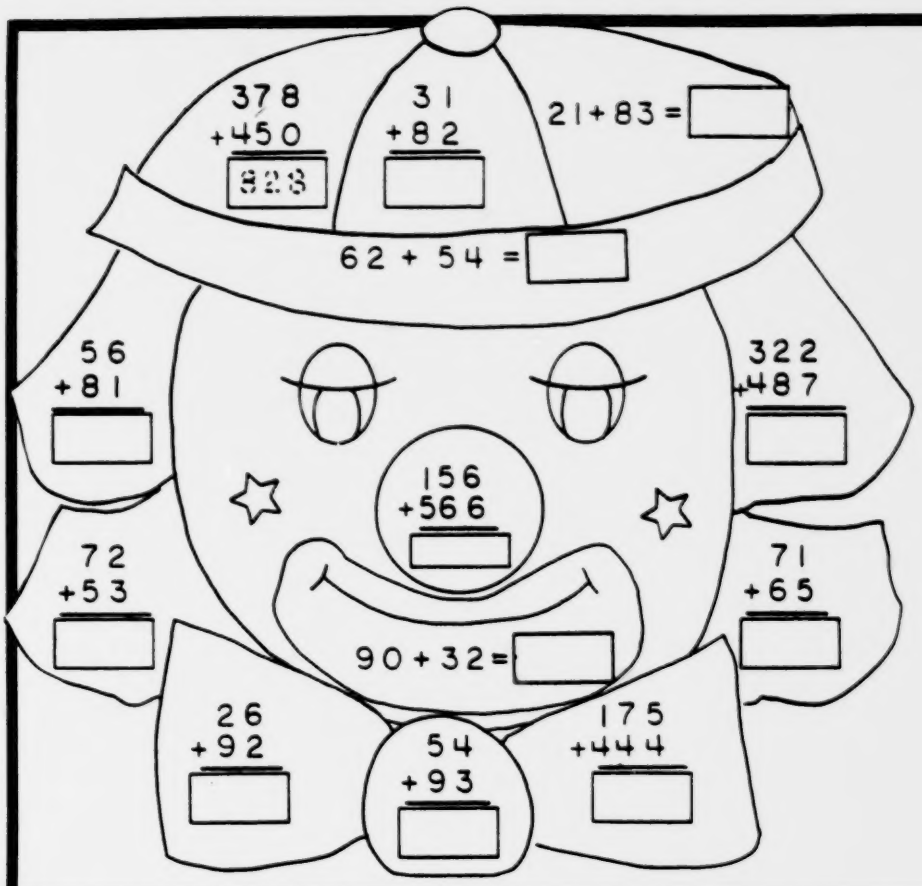
0.1, 0.2, .03, 0.3, 0.4, 5, 50, 0.5,

0.6, 70, 0.7, 0.8, 9, 0.9, 1 WHOLE

P.O. 3.02.04.01 - .03

NAME: _____ CLASS: _____ DATE: _____

Add. Use the answer key to color the clown. Check your answers on a separate paper.



★ Answer Key ★

Blue
828
147
104

Red
116
722
122

Green
113
118
619

Yellow
125
136
137
809

Solve and check.

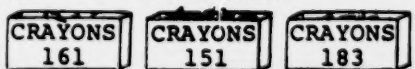
1. Jack, the candlestick maker, made 315 candles on Monday. He made 292 candles on Tuesday. How many candles did he make in all? **solve** **check**

Answer: _____

2. Mary had 375 lambs. She bought 154 more. How many lambs does she have altogether? **solve** **check**

Answer: _____

3. The art teacher in room 243 needed 344 crayons for all her classes. Which boxes should she use so that she has enough? **solve** **check**



Answer: _____

SHARPENING YOUR SKILLS

Units 30, 31, 32

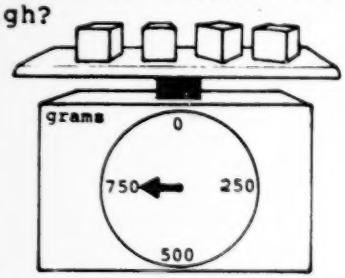
Name:_____ **Class:** _____ **Date:**_____

1. One kilogram is equal in weight to _____.

   (a) 1 milligram (c) 1000 lbs.

   (b) 1000 grams (d) 1 liter

2. How much do these cubes weigh?



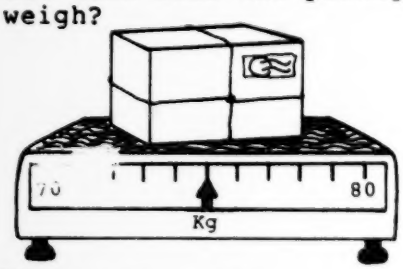
   (e) more than 1 kilogram

   (f) 750 grams

   (g) 1 kilogram

   (h) 750 kilograms

3. How much does the package weigh?



   (a) 75 kilograms

   (b) 75 grams

   (c) more than 80 kilograms

   (d) less than 70 kilograms

4. Which shows four tenths as a decimal?

$\frac{4}{10}$	4.0	0.4	410
(a)	(b)	(c)	(d)

5. Write the decimal form for each fraction.

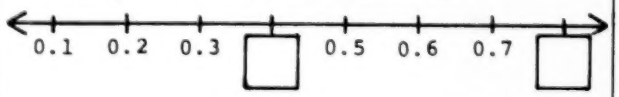
   $\frac{3}{10} = \square$ $\frac{1}{10} = \square$ $\frac{7}{10} = \square$

6. 0.9 is the same as _____.

   (e) nine (g) zero ninths

   (f) ninety (h) nine tenths

7. Complete the number line.



8. Solve and check.

   371 + 250 = ☐ check

9. The New York Visitors Bureau answered 183 calls between 9:00 A.M. and 10:00 A.M. Another 175 calls were answered between 10:00 A.M. and 11:00 A.M. How many calls were answered in the 2 hours?

   _____ phone calls were answered.

P.O. 3.03.04.01 & .03

NAME: _____ CLASS: _____ DATE: _____

Subtract and check. Use the code to find the message.

What kind of pants do ghosts wear?

① $\begin{array}{r} 6 \\ \not{7}88 \\ -394 \\ \hline 394 \end{array}$ check

② $\begin{array}{r} 979 \\ -596 \\ \hline \end{array}$ check

③ $\begin{array}{r} 666 \\ -283 \\ \hline \end{array}$ check

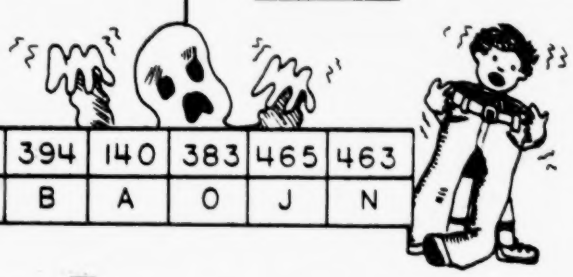
④ $\begin{array}{r} 746 \\ -281 \\ \hline \end{array}$ check

⑤ $\begin{array}{r} 603 \\ -473 \\ \hline \end{array}$ check

⑥ $\begin{array}{r} 438 \\ -298 \\ \hline \end{array}$ check

⑦ $\begin{array}{r} 729 \\ -266 \\ \hline \end{array}$ check

⑧ $\begin{array}{r} 888 \\ -394 \\ \hline \end{array}$ check



130	494	394	140	383	465	463
E	S	B	A	O	J	N

___ ___ ___ ___ ___ ___ ___ ___

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

Solve and check.

The students in room 230 collected 324 cans for recycling. The students in room 142 collected 181 cans for recycling. How many more cans were collected by the students in room 230?

Answer: _____

Ellen, the baby elephant, weighs 153 pounds. Ernest, the baby elephant, weighs 228 pounds. What is the difference in their weights?

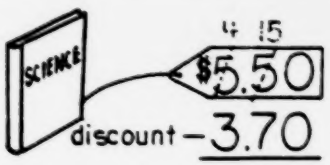
Answer: _____

P.O. 3.03.04.01-.03

NAME: _____ CLASS: _____ DATE: _____

Subtract to find the sale price for each book. Check your answers.

BOOK SALE



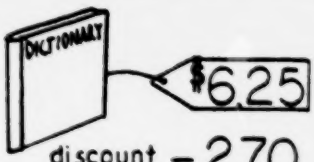
discount – 3.70

sale price $1.80

4 15

check

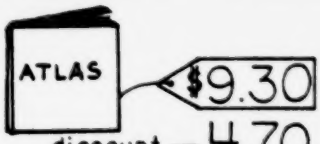
$1.80 + 3.70 = $5.50



discount – 2.70

sale price _____

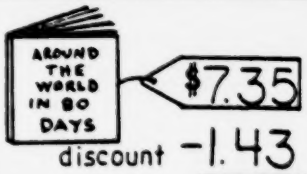
check



discount – 4.70

sale price _____

check



discount -1.43

sale price _____

check

Use the table to help you solve the problems. Underline key words and check.

Cans Collected

	January	February	March	April
John's class	361	621	375	425
Susan's class	542	281	184	859

1. How many more cans did Susan's class collect in January than John's class?

   Answer: In January Susan's class collected 181 more cans than John's class.

4 14

542 − 361 = 181

check: 181 + 361 = 542

check

2. Susan's class collected more cans in January than in February. What is the difference in the amount collected in those months?

   Answer: _____

check

3. How many fewer cans were collected by John's class in March than in April?

   Answer: _____

check

P.O. 3.02.05.01&.03

NAME: _____ CLASS: _____ DATE: _____

Follow the directions below.

Do you know the famous person? Solve each example and check. Find each answer in the name and write the letter of the example on the line.

11 343 +269 612 check 269 +343 K	127 +483 check H	414 +187 check D
312 162 +159 check C	519 +286 check E	123 378 +245 check O

FAMOUS PERSON

K

805	601	612	746	633	610

Solve each problem. Check your answer.

On Saturday 356 circus tickets were sold. On Sunday 285 tickets were sold. How many tickets were sold on both days?

Answer: _____

_____

check

356 + 285 = 285 + 356

John sold 227 boxes of popcorn. Jimmy sold 336 boxes of popcorn. How many boxes of popcorn did both boys sell?

Answer: _____

_____

check

P.O. 3.02.05.02,.03

NAME: _____ CLASS: _____ DATE: _____

Follow the directions below.

How much does each group of toys cost? Solve and check your answers.

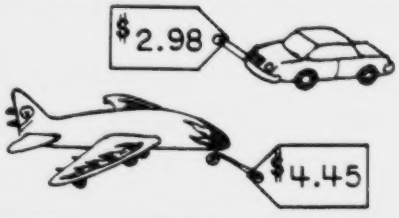
solve

$4.59
+1.98

check

solve

check



solve

check

Solve each problem. Check your answer.

Mark sold 216 soft drinks. Mary sold 394 soft drinks. Ted sold 162 soft drinks. How many soft drinks were sold in all?

solve

check

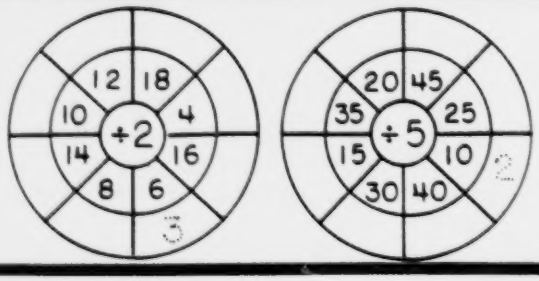
The clown gave 438 balloons to the youngsters on Saturday. He gave 299 balloons to the youngsters on Sunday. How many balloons did he give out during the weekend?

solve

check

Do you remember?

Complete the division wheels.



SHARPENING YOUR SKILLS

Units 33, 34

Name: _____ **Class:** _____ **Date:** _____

1. On Monday, Careless Carol left the house with $3.92. She lost $1.43. How much money did she have when she got home?

   Carol had_____.

2. On Tuesday, Careless Carol left her house with $8.16. The ice cream she dropped in the street cost $1.25. How much money did she have left?

   Carol had _____ left.

3. On Wednesday, Careless Carol left the house with $9.65. She spent $4.91 on a poster which blew away in the wind. With how much money did she return home?

   Carol returned with _____.

4. On Thursday and Friday Careless Carol stayed in bed because she had already lost $_____ that week.

5. Billy traveled to Washington, D.C. to visit his uncle Ronald. To get there he drove 362 miles on Saturday and 289 miles on Sunday. How far away does Uncle Ronald live?

   Uncle Ronald lives_____miles away.

6. Solve.

   $\begin{array}{r} 853 \\ -180 \\ \hline \end{array}$ (a) 733 (c) 673 (b) 753 (d) 633

   $\begin{array}{r} \$3.98 \\ +1.79 \\ \hline \end{array}$ (e) $5.77 (g) $56.17 (f) $4.67 (h) $4.77

7. Solve and check.

   $\begin{array}{r} 345 \\ -174 \\ \hline \end{array}$ check

   $\begin{array}{r} \$4.89 \\ -2.98 \\ \hline \end{array}$ check

P.O. 3.03.05.01&.03

NAME: _____ CLASS: _____ DATE: _____

Solve and check the examples and word problems below.

1. solve	check	2. solve	check	3. solve	check
435 -267		651 -388		436 -198	
4. solve	**check**	**5. solve**	**check**	**6. solve**	**check**
945 -689		327 -168		552 -386	
7. solve	**check**	**8. solve**	**check**	**9. solve**	**check**
244 -175		636 -188		846 -278	

10. Guidebooks to New York City are sold by street vendors. A vendor at Times Square sold 482 guidebooks. A vendor at the South Street Seaport sold 623 guidebooks. A vendor at the United Nations Building sold 365 guidebooks. How many more guidebooks were sold by the South Street Seaport vendor than by the United Nations vendor?

solve check

Answer: _____

11. A public library in the Bronx has 384 fairy tales on the shelves. A public library in Queens has 923 fairy tales on the shelves. What is the difference in the number of fairy tales in the two libraries?

solve check

Answer: _____

P.O. 3.03.05.02-.03

NAME: _____ CLASS: _____ DATE: _____

Solve and check the examples and word problems below.

solve	check	solve	check	solve	check
$ 5.25 −2.76 $.		$ 8.32 −5.45 $.		$ 6.15 −2.68 $	
solve	**check**	**solve**	**check**	**solve**	**check**
$ 9.33 −4.75 $.		$ 5.28 −1.69 $.		$ 9.62 −2.74 $.	

7. The regular price for a concert ticket to Madison Square Garden is $8.75. Carla bought a discounted ticket for $6.98. What is the difference in prices?

Answer: _____

_____

solve **check**

8. Hannah went to Chinatown with $9.25. She spent $4.79 on a toy dragon. How much money did she have left?

Answer: _____

_____

solve **check**

CHALLENGE!

1,246 students were graduated from a high school in Manhattan. 328 students will attend college in New York State. 649 students will attend college in New York City. The other students will get jobs. How many students will get jobs?

Answer: _____

_____

P.O. 3.10.06.01 - .02

NAME:_____ CLASS:_____ DATE:_____

Follow the directions below.

Measure each object to the nearest inch and record its length.

This pencil is about _____ long.

This straw is about _____ long.

This pen is about _____ long.

This chain is about _____ long.

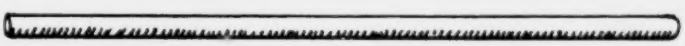
Use the ruler below to measure the length of each stick to the nearest half inch.

The shortest stick is about ____ inches long.

The black stick is about ____ inches long.

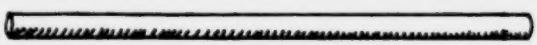
Stick D is about ____ inches long.

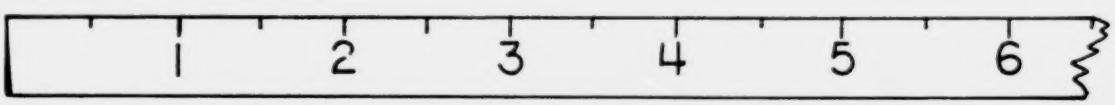
Stick A is about ____ inches long.

A. 

B.

C.

D. 

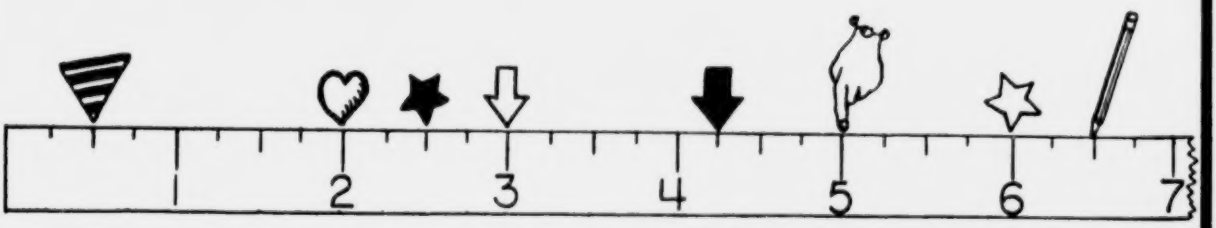


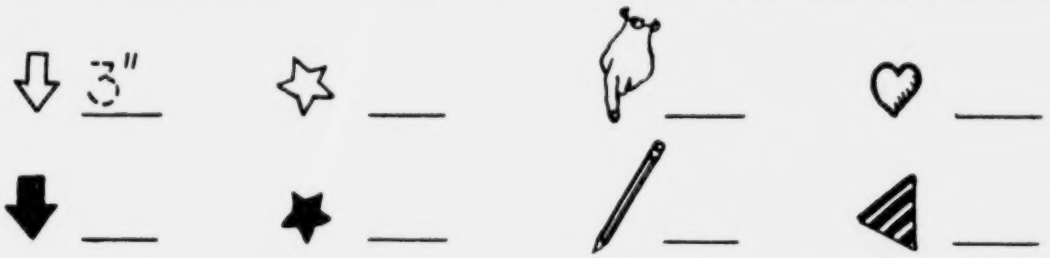
P.O. 3.10.06.01 - .05

NAME: _____ CLASS: _____ DATE: _____

Follow the directions below.

Several pictures are located along the edge of the ruler. Indicate the point at which each picture is located.





Write > or < for each sentence.

$1\frac{1}{2}" < 1\frac{3}{4}"$ $\quad 7" \bigcirc 6\frac{1}{4}"$ $\quad 9\frac{1}{4}" \bigcirc 8\frac{3}{4}"$

$3\frac{3}{4}" \bigcirc 4"$ $\quad 5\frac{1}{2}" \bigcirc 5\frac{1}{4}"$ $\quad 10" \bigcirc 9\frac{1}{4}"$

Do you remember? Circle the even numbers. Complete each sentence.

(4), 7, 13, 28, 62, 115, 260, 711, 4114

When subtracting an even number from an odd number, the difference is _____ .

The sum of two odd numbers is an _____ number.

The difference between two odd numbers is an _____ number.

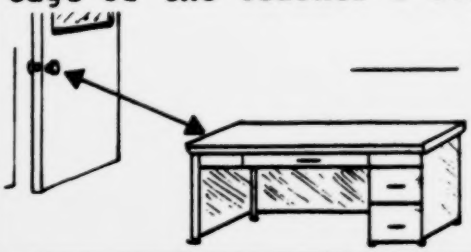
The sum of an odd number and an even number is an _____ number.

P.O. 3.10.06.04-.06

NAME: _____ CLASS: _____ DATE: _____

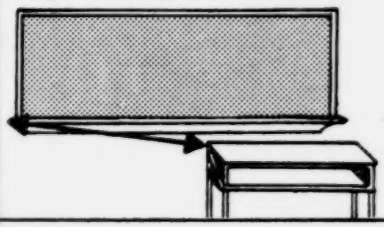
Use your classroom and your classmates to answer the questions below.

What is the distance, in feet, from the door knob to the top edge of the teacher's desk?



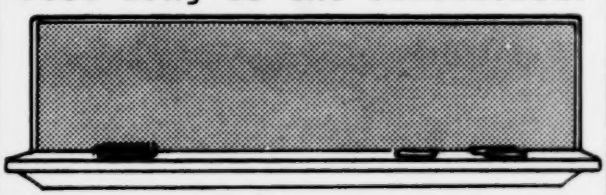
_____ feet

What is the distance, in feet, from the lower left edge of the chalkboard to the left edge of your desk?



_____ feet

About how many yards long is the chalkboard? How many feet long is the chalkboard?



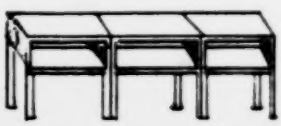
_____ yards _____ feet

If ten students stand shoulder to shoulder, what is the distance from the first student to the last?

_____ feet

_____ yards

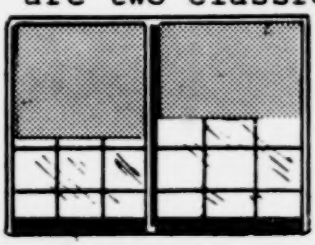
Push three desks together. About how many yards long are they altogether? About how many feet long are they altogether?



_____ yards

_____ feet

About how many yards wide are two classroom windows?



_____ yards

Complete each sentence.

If 1 foot = 12 inches, then 2 feet = ____ inches.

If 2 feet = 24 inches, then ____ feet = 36 inches.

If 1 yard = 3 feet, then 2 yards = ____ feet.

If 3 yards = ____ feet, then 4 yards = ____ feet.

If 36 inches = 1 yard, then 36 inches = ____ feet.

P.O. 3.09.02.01

NAME: _____ CLASS: _____ DATE: _____

Follow the directions below.

Place the point of a compass on point M and the compass pencil on point O. Draw a circle. Through which 4 points does the circle pass?

point ____, point ____, point ____, point ____

CHALLENGE!

- **Draw a circle which is double the size of the circle above.**
- **Draw a circle which is one-half the size of the circle above.**

P.O. 3.09.02.02-.03

NAME: _____ CLASS: _____ DATE: _____

Follow the directions below.

1. Use a ruler to draw $\overline{AB}$, $\overline{BG}$, $\overline{GF}$, and $\overline{FA}$.
   This figure is called a _____.
2. Use a ruler to draw $\overline{CE}$, $\overline{EJ}$, $\overline{JH}$, and $\overline{HC}$.
   This figure is called a _____.
3. Use a ruler to join points M, U, and W.
   This figure is called a _____.
4. Use 3 points to make the smallest possible triangle.
   What points did you join? _____

SHARPENING YOUR SKILLS

Units 36, 37

Name: _____ Class: _____ Date: _____

1. Connect 4 dots to make a rectangle. Use a ruler.

2. 2 yards = ___ feet.

(a) 8 (c) $\frac{1}{2}$

(b) 2 (d) 6

3. 24 inches = ___ feet.

(e) 1 (g) 2

(f) 6 (h) 24

4. 5 yards = ___ feet.

(a) 15 (c) 6

(b) 6 (d) 10

5. Circle the items below which could be $\frac{1}{2}$ inch long.

a coin a boy

a notebook an insect

a screw a flower petal

6. Robert used a compass to draw a shape. What shape did he draw?

(e) triangle (g) circle

(f) rectangle (h) square

7. Complete each sentence with the word foot, feet, yard, or yards.

A 12 inch ruler equals 1 _____.

A teacher's desk is about 1 ____ long.

The height of a door is about 7 ____.

A car is about 4 _____ long.